



Metcalf Energy Center

November 14, 2002

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

**Subject: Metcalf Energy Center 99-AFC-3
Monthly Compliance Report #13, October 1 – October 31, 2002**

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning October 1 through October 31, 2002.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 463-6001.

Sincerely,

Kristen O'Kane

Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine
Steve DeYoung, Calpine
Nick LaPorte, Calpine
Don Wimberly, Willdan

**Metcalf Energy Center
99-AFC-2**

**Monthly Compliance Report #13
October 1 – October 31, 2002**

1. **Project construction status**

Plant area: Installation of the production piling in the cooling tower area began on October 21st. There are approximately 350 piles to be installed within the cooling tower area, at the end of the month approximately 25 percent of them had been installed. We began installing the piles in the north end of the tower, after the second day a problem was identified with the installation of the piles. The piles are hitting an unknown layer of material approximately 40' underground and deflecting slightly. This deflection is causing the pile to be bent or "swept" in random directions. When this problem was identified we stopped driving on the north end and moved to the south where we have driven successfully thus far. The engineers were made aware of the problem in the north and we are waiting on further direction.

We continued the installation of the storm water drainage and retention basin work during the month of October. We still have not received the final permit from the Regional Water Quality Control Board to construct the last section of the outfall through the levee to the creek. We completed the installation of the entire system except for that portion. The Regional Water Board has requested additional information from the engineers. Once this information is provided we should get the permit. Since we are past the October 15th deadline for construction in streambeds this work will wait until June 2003.

We prepared the site for the rainy season by touching up the hydroseeding and laying out erosion control mats on the side slopes of the switchyard and cooling tower.

Laydown Areas: We completed the receipt of all of the material to be shipped from Siemens. This equipment is continually preserved.

Engineering: This progress report covers engineering tasks completed through October 2002. The engineering progress is approximately 71.5 % complete. Continue to support the cooling tower basin piling effort at the site.

Key Accomplishments

The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
 - Revised STG Platform Steel drawings
 - Drawings and calculation for Main Pipe Rack

- Revised drawings and calculation for STG platform foundations based on revised pile capacity
- Drawing for Circ Water Pipe support frame at Condenser
- Fire Risk Evaluation package
- Fuel Gas, Waste Water, Recycle Water, Sanitary, Service Water, Ammonia, and Fire Protection P&IDs
- Issued the following documents for Bid:
 - Sump and Fire Pump Specifications
 - PDC specification with drawings
 - Iso-Phase Bus Duct Specification with Drawings
 - Electrical Equipment Specification with Drawings
 - Electrical Package data sheets
- Issued the following documents for review:
 - HVAC, Oil/Water Separator, Hoist specifications
 - STG LO piping
 - Site Lighting plan
 - DC/UPS One line Diagram
- Issued the following for construction:
 - Fuel Gas, Waste Water, Circulation and Auxiliary Cooling Water System P&IDs
 - Instrument location Plans (key plans and HRSG area)
 - MCC One lines
 - Tray at STG, Cooling Tower and Pipe Racks
 - Short Circuit and Load Flow calculations

Engineering Tasks:

- Burns and Roe continued to support Construction effort
- Continued with design of the cooling tower basin, pipe rack framing, steam turbine platform steel framing and foundation
- Continued to coordinate design of visual and sound attenuation screens
- Continued to develop PDS 3D model:
 - a) Underground piping
 - b) Gas Compressor system design
 - c) Underground Electrical system
 - d) Structural steel
 - e) Equipment
- Continued to review vendor documents
- Continued to update P&IDs
- Continued development of stress analysis
- Continued development of line and valve lists
- Continued to develop I/O list
- Continued to develop logic diagrams
- Continued preparation of control valve data sheets

Major Equipment

- Steam Turbine Generator is in fabrication and scheduled to be delivered in December
- The condenser is in storage
- HRSG engineering is in progress and design documents are submitted to CBO for approval
- Auxiliary Cooling Water Pump was awarded
- Issued PDC, Standby Generator, and Misc. Horizontal Pumps for bids

Activities planned for next month

Plant area: We will continue the installation of the production piling. We should complete the installation in the cooling tower area including the circulation water pump pit, cooling tower, and cooling tower inlet header. We will move onto the steam turbine pedestal and platform as well as mobilize a second crane for installation of the production piling in the HRSG and pipe rack areas. We will receive the sheet piling design from the pile driver for review and approval to support the installation of the underground circulation water piping in December.

Laydown Areas: We will receive the underground water circulation water piping and store in the south laydown area until it is used. We will continue to preserve the equipment on the site.

Engineering: Work planned for November:

- **General**
 - Complete the integrated project schedule
 - Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower, Major pumps, water treatment system and other equipment
 - Continue to support construction
- **Mechanical**
 - Continue pipe stress analysis
 - Continue development of P&IDs
 - Continue development Line/Valve/Pipe specialty lists
 - Continue development of 3D equipment and piping models
 - Continue development of equipment list
 - Continue development of Pipe Specification
 - Continue development of Plant Fire Protection/Detection Specification
 - Start the following:
 - Above ground Demineralized and Service Water above ground piping design
 - HR final stress analysis and checking
 - Specialties Specification

- **Civil /Structural/Architectural**
 - Continue update 3D Models
 - Complete redesign of HRSG foundation
 - Issue revised piling and foundation drawings and calculations
 - Continue work on Transformer foundation
 - Provide engineering support on the ongoing test piling efforts

- **Electrical:**
 - Revise Power Distribution System to eliminate PDC-6
 - Aboveground conduit at HRSGs
 - Revise Power Distribution
 - Enter Data in ICAMS

- **Instrumentation:**
 - Continue updating of P&IDs
 - Continue data inputs to the major lists
 - Continue preparation of logics
 - Continue preparation of technical specifications

MEC Litigation Update

1. The California Supreme Court (Decision 2-28-02)
 - a. The Supreme Court denied STCAG appeal on February 28, 2002.
 - b. The denial is final and non-appealable in California courts.

2. Sacramento Superior Court (Decision 2-22-02)
 - a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
 - b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
 - c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
 - d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix were originally due by July 5, 2002. However, STCAG was granted an extension. STCAG filed their Opening Brief on August 23, 2002. MEC's reply brief is due September 26, 2002. The brief was filed.
 - e. STCAG filed its response to MEC's brief on November 4, 2002. Awaiting court letter regarding possible oral argument hearing date.

3. U.S. Ninth Circuit Court of Appeals (Pending)

- a. This appeal asks the Federal Court to overturn the decision of the U.S. EPA's Environmental Appeals Board (EAB) confirming that the MEC Prevention of Signification Deterioration (PSD) permit was properly issued.
 - b. The Petitioner's initial briefings have been filed, and the U.S. government filed its response brief April 12, 2002.
 - c. Calpine's brief was filed May 13, 2002.
 - d. The Petitioners filed their reply brief on July 1, 2002, after having obtained court approval of extension of time. All briefing in the case is now complete.
 - e. On August 5, 2002 Calpine filed a motion requesting that the Court expedite its review of the appeal. The Court granted Calpine's motion and has now scheduled oral argument for November 5, 2002.
 - f. With oral argument scheduled for November 5, 2002 we currently anticipate that the Court's decision in this case could be issued as early as the end of 2002, or possibly during early 2003.
4. STCAG lawsuit against the City: recycled water line (Pending)
- a. STCAG has sued to stop the City's construction of its preferred waterline route.
 - b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
 - c. Appeal brief was to have been due October 17th, but STCAG filed a motion for a 30-day extension.
5. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)
- a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
 - b. The case was filed on 9/9/02 and served on 9/17/02.
 - c. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
 - d. Hearing dates will be set thereafter.
 - e. BAAQMD late field its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was field on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC, BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.

2. Documents required to be submitted with Monthly Compliance Report

AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	1 ultra low sulfur fuel receipt attached.
AQ-52	Off-road diesel fired equipment usage lists attached.

BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 23 on site personnel.
CUL-5	WEAT training presented to 23 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 23 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month of October = 23,937.
GEN-2	Updated drawing list attached.
GEN-3	Receipts of payment to CBO attached.
GEN-6	Copy of Special Inspector approvals attached.

3. Compliance matrix

A Compliance Matrix is attached.

4. Conditions that have been satisfied during the reporting period (CBO submittals and approvals can be found in #13)

VIS-9	Submitted color treatment plan for plant architectural screen, HRSG stacks and cooling tower.
LAND-3	Received approval of location of cooling tower foundations.

5. Submittal deadlines not met

There are no outstanding submittals.

6. Approved COC changes

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
- An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

7. Filings or permits with other agencies

- Submitted permit application from Santa Clara Valley Water District to plant on west side of Fisher Creek.

8. Projection of project compliance activities for next two months (November-December)

AQ-48	Will follow dust mitigation measures.
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AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
PAL-3	Training will be provided as needed.
PAL-4	Paleo specialist will perform required duties when necessary.
SOIL&WATER-7	Will submit copy of Regional Water Quality Control Board 401 certification for outfall construction.

9. Additions to on-site compliance file

- Silt fence inspection logs
- Straw bale and wattle inspection logs
- Erosion and sediment control inspection logs
- Water truck logs
- Biological monitor daily logs
- WEAT training logs
- Daily logs (fugitive dust and public road inspections for tracked out material)

10. Requests to dispose of items

None

11. Listing of complaints, notices of violations, official warnings, and citations

Attached. (Includes call log for calls received on MEC public information line.)

12. List of facility design submittals, comments and approvals to CBO

Matrix attached. CBO comments received in October attached.

CBO Approvals:

- Field change request 0009 (change to storm water basin headwall)
- Specification 02315, Earthwork, Rev. 0
- Specification 02585, Precast Concrete Electrical Manholes, Rev. 0
- STRUC-1, Drawing for Combustion Turbine Generator Foundation
- STRUC-1, Drawings for Roadways – PG&E All Terrain Vehicle Access – Partial Plan and Profile
- STRUC-1, Sediment and Erosion Control Plans
- STRUC-1, Calculations STG Foundations
- STRUC-1, Pile Testing, Conclusion and Recommendations

**CONDITION OF CERTIFICATION AQ-48
SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust. Logs are kept on file as part of the Storm Water Pollution Prevention Plan.

The site was watered on October 7th, 8th and 9th during activities that may have resulted in dust leaving the site. These activities included re-compacting loose fill areas in preparation for hydroseeding.

**CONDITION OF CERTIFICATION AQ-52
ULTRA LOW SULFUR DIESEL FUEL RECEIPTS**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

Coast Oil Company, LLC *Marketers & Manufacturers* "since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351
RESALE NO. SR GH 97953643
FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720
OFFICE FAX (408) 255-5263
PLANT (408) 251-0811
ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC
4250 WILLIAMS ROAD
SAN JOSE, CA 95129-3344
HAZARDOUS MATERIAL NUMBER
CALL (PERS): 1-800-633-8253

DATE: 10-23-02
INVOICE NUMBER 208442

SOLD TO: 1834
DILLINGHAM CONSTRUCTION
P.O. BOX 1089
PLEASANTON, CA 94566
(925) 463-3300

SHIP TO: 1834
DILLINGHAM CONSTRUCTION
CORNER OF METCALF & MONTEREY
METCALF JOB SITE
SAN JOSE, CA
(925) 463-3300

ORDERED BY		PURCHASE ORDER NUMBER		SALESMAN		TERMS		DUE DATE		
				DEDEAUX		NET 20		11-13-02		
ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES			
0	10-24-02	23	15	COC-82750			0			
NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	TAXES			PRICE	AMOUNT	
					FED	STATE	SALES			
	GALS	RED ULTRA LOW SUPLHUR DIESE ECD1 FEDERAL SUPERFUND OIL SPILL FEE	800	798	X	X	T			
		THURSDAY AFTER 11 AM LEE BD VM 4:44 PM	800	800						
			800							
PRODUCT					BEFORE		AFTER		HTR NO. / TANK I.D.	
									SALES 8.25 TAX	
									TOTAL →	
PAST DUE AFTER					CHECK NO.					
If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.					CHECK AMOUNT					
ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.										
RECEIVED IN GOOD ORDER					PRINTED NAME				PLEASE PAY FROM THIS INVOICE	
X					[Signature]					

**CONDITION OF CERTIFICATION AQ-52
OFF-ROAD DIESEL FIRED EQUIPMENT USAGE LISTS**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

CONTRACTOR: Dillingham Construction (Pile drivers)

DATE: October 21, 2002

This form must be completed before site mobilization and must include all equipment that will be used on site.
 **All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
13-240 Wheel loader	1998	CAT	966FII	1SL03016	220	Daily / October - March	10/21/02		CARB
Crane	1978	Manitowoc	4000W	403038	360	Daily / October - March	10/22/02		None. Received exemption on cranes from CMM.

CMM Signature: _____ Date: _____

Comments: _____

CONTRACTOR: Mountain Cascade

DATE: 10/28/02

This form must be completed before site mobilization and must include all equipment that will be used on site.
 **All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
3-110	2000	Kobelco	SK300CC	YCU1132		5	10/28/02	11/1/02	Used less than 10 days.
4-45	2000	John Deere	644G			5	10/28/02	11/1/02	Used less than 10 days.

CMM Signature: _____ Date: _____

Comments: _____

**CONDITION OF CERTIFICATION BIO-2
SUMMARY OF BIOLOGICAL MONITORING**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

Biological Resources
Mitigation Monitoring for the
Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #13

October 2002

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

October 2002

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INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (FWS), U. S. Army Corps of Engineers, National Marine Fisheries Service, California Department of Fish and Game, and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP)*. The following report includes all MEC project activities monitored during October 2002.

MONITORED MITIGATION MEASURES

Mitigation measures were developed through consultation with U.S. Fish and Wildlife Service, National Marine Fisheries Service, California Department of Fish and Game (CDFG), San Francisco Bay Regional Water Quality Control Board (Water Board), U.S. Army Corps of Engineers (Corps), and CEC for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification BIO-1 through BIO-13 were in compliance during October 2002. In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during October activities.

The following conditions described in the FWS Biological Opinion (BO) remained pertinent to the October monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas (following the 10 days of daily surveys conducted in January).
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS Biological Opinion (BO). Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will occur in the summer 2003.

The Monitor was available throughout the month to respond to biological issues as needed. October activities are described below.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during October 2002. October activities included ongoing Phase 1 site preparation, MEC Ecological Preserve Riparian Enhancement, and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. Representative photographs of October activities are included in Appendix C. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Phase 1 Site Preparation

October Phase 1 site activities included ongoing stormwater outfall construction, pile driving, and continued equipment transport/storage onto the laydown yards. Some of these activities will likely continue into November 2002.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, and/or entrapped wildlife throughout each construction zone.

Stormwater Outfall

During September 2002, construction activities associated with the Stormwater Outfall included installation of storm pipes adjacent to the retention basin. In addition, a riprap swale was installed and excavation for concrete headwalls occurred. October 2002 activities associated with the stormwater outfall included installation of concrete headwalls and stabilization of stormwater pipe spillways with riprap. Headwall construction and stabilization procedures were completed by October 30th. Installation of the stormwater outfall discharge pipe into Fisher Creek will not commence until next year.

The Biological Monitor performed spot checks of work activities. The spot checks focused on ensuring that work complied with all CEC COCs and other permit conditions (e.g., CDFG Streambed Alteration Agreement, SCVWD Work Permit). All construction related activity remained outside the Fisher Creek riparian corridor. In addition, work avoided the dripline of a non-riparian black walnut.

Pile Driving

Power plant features including cooling towers, CTGs, and other heavy hardware will require the installation of steel piles. The piles will increase the subsurface weight loading capacity of the project site. Pile driving on the footprint site commenced on October 21st.

A large crane equipped with a hydraulic driving mechanism drove steel piles to a depth of approximately 70-feet. Pile driving commenced on the cooling towers pad and will continue throughout the footprint site until power plant construction begins.

Stuart Itoga of the CEC and the Project Biologist visited the site on October 22nd as part of the Condition of Certification for Land Use that included inspection of the cooling tower

foundations near the riparian 100-foot setback. CEC Compliance Manager, Steve Monro later granted permission to proceed with the project as staked. Pile driving in the area was resumed. The steel piles represent the first permanent feature installed on the footprint site.

Power Plant Materials Storage

Heavy haul trucks continued to transported equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

Ecological Preserve Riparian Enhancement

As part of mitigation, Calpine will enhance the quality of the Fisher Creek Riparian Corridor by planting native vegetation within designated enhancement areas. The Preserve's enhancement plan includes 4 planting areas. Enhancement areas #1 and #2 are located west of Fisher Creek at the foot of Tulare Hill. Enhancement areas #3 and #4 are located east of Fisher Creek adjacent to the MEC footprint site.

Enhancement of the riparian corridor was designed to offset the loss of ordinance-sized trees removed during Phase 1 Site Preparation Activities. A list of native species to be planted is included in Appendix E of the project's Biological Resources Mitigation Monitoring Plan (BRMMP). The plant species include, but are not limited to, valley oak (*Quercus lobata*), buckeye (*Aesculus californica*), elderberry (*Sambucus mexicanus*), and coast live oak (*Quercus agrifolia*).

Enhancement plantings began on October 30th. A landscaping contractor mobilized and stored landscaping supplies within enhancement area #1. Workers accessed the preserve using the existing PG&E access road across Fisher Creek. Electrical conduit and PVC water pipes were installed above ground adjacent to the cattle exclusion fence.

No work occurred within 50-feet of the Fisher Creek riparian corridor. Work within this area will not occur until the appropriate construction activities permit is issued from the Santa Clara Valley Water District (SCVWD). Work will continue outside the 50-foot no-work zone until the permit is issued. Enhancement activities will continue in November 2002, and will include installation of the main irrigation line, driplines, electrical components. Planting of native vegetation will also begin in November.

The Biological Monitor was onsite daily during enhancement activities to ensure compliance with CEC COCs. In addition, the monitor ensured that area resources were not negatively impacted by landscaping activities. The Biological Monitor assisted Calpine's Offsite Coordinator with delineating the 50-foot SCVWD no-work zone. Furthermore, the Biological Monitor used pin flags to delineate a wetland area within enhancement area #1 as a no work zone. The pin flags will assist the workers on proper placement of vegetation when time comes to plant the trees and shrubs.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During October, the WEAT program was administered as required by BIO-6 of the "Conditions of Certification" (COC) from the California Energy Commission's (CEC) *Commission Decision*.

In October, WEAT continued with the presentation of a training video and distribution of WEAT handbooks.

A total of 23 personnel received WEAT training during October for a total of 382 employees trained at the Metcalf Energy Center. The Calpine Compliance Manager administered the WEAT training to all new October employees in the absence of the Biological Monitor. A list of October WEAT attendees is included in Appendix B. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATIONS

October activities were minimal with most site activities confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor remained on-call for most of the month. Although Phase 1 activities are ongoing (e.g. equipment delivery, pile driving), the Biological Monitor's duties will likely remain limited until the commencement of Phase 2.

Additional erosion control measures were implemented within the project site. Slope protection consisting of erosion control blankets was installed along the project's elevated switchyard pad north of the footprint site. Calpine will likely continue to supplement the existing BMPs with additional hydroseeding in November 2002.

APPENDIX A

**Cumulative Wildlife Species Observed In or Near the
Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to October 31, 2002)**

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	<i>Euphydras editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Eurypelma californicum</i>	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
BIRDS		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea herodias</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Location:		
CC = Coyote Creek Riparian Corridor		TH = Hillars Hills Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipeline Corridor		LEA = Laydown/Expansion Area
LA = Laydown Area		
Notes:		
* If over or otherwise not utilizing area resources		
* Non-active sign (i.e. carcass, weather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to October 31, 2002) (Continued)**

Common Name	Scientific Name	Location
BIRDS (continued)		
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion heliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonotta</i>	FC, EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltirparus minimus</i>	EC, FC, FC**, GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Location		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WE = Water Line Corridor
GP = Gas Pipeline Corridor		LEA = Laydown expansion area
LA = Laydown Area		
Notes		
* Flyover or otherwise nonutilizing area resource		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to October 31, 2002) (Continued)**

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA
American robin	<i>Turdus migratorius</i>	LA, EC, CC
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC
Western kingbird	<i>Tyrannus verticalis</i>	CC
European starling	<i>Strunus vulgaris</i>	LEA, FC, EC
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC
Bullock's oriole	<i>Icterus bullockii</i>	FC, CC
House finch	<i>Carpodacus mexicanus</i>	EC, CC, FC
American goldfinch	<i>Carduelis tristis</i>	LEA
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH
House sparrow	<i>Passer domesticus</i>	EC, FC, CC
MAMMALS		
Common raccoon	<i>Procyon lotor</i>	FC**
Striped skunk	<i>Mephitis mephitis</i>	TH**
Opossum	<i>Didelphis marsupialis</i>	EC
Coyote	<i>Canis latrans</i>	TH
Feral cat	<i>Felis catus</i>	EC
Bobcat	<i>Lynx rufus</i>	CC**
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL
Western gray squirrel	<i>Sciurus griseus.</i>	FC
Valley pocket gopher	<i>Thomomys bottae</i>	LA**
California vole	<i>Microtus californicus</i>	FC
Location		
CC = Coyote Creek Riparian Corridor EC = Metcalf Energy Center Plant Site FC = Fisher Creek Riparian Corridor GP = Gas Pipeline Corridor LA = Laydown Area TH = Tule Hill Ecological Preserve TL = Transmission Line Corridor WL = Water Line Corridor LEA = Laydown expansion area		
Notes		
* Flyover or otherwise not utilizing area resources ** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to October 31, 2002) (Continued)**

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Deer mouse	<i>Peromyscus maniculatus</i>	TH
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC
Feral pig	<i>Sus scrofa</i>	CC**
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
Location:		
CC = Coyote Creek Riparian Corridor EC = Metcalf Energy Center Plant Site FC = Fisher Creek Riparian Corridor GP = Gas Pipeline Corridor LA = Laydown Area TH = Tulare Hill Ecological Preserve TL = Transmission Line Corridor WL = Water Line Corridor LEA = Laydown expansion area		
Notes:		
* Flyover or otherwise non-utilizing area resources. ** Non-active sign (i.e. carcass, feather, nest, track)		

APPENDIX B

WEAT Sign-In Sheets

**METCALF ENERGY CENTER
 ENVIRONMENTAL TRAINING
 SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 10/10/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Edward Campiotti	<i>[Signature]</i>	Mountain Cascade
STEVEN GELSSON	<i>[Signature]</i>	mountain cascade ✓
ERIK R. PEDERSON	<i>[Signature]</i>	MOUNTAIN CASCADE
MASSIMO PARIANI	<i>[Signature]</i>	ECG - ITALIA ✓
CHRISTOPHER CRIVELLO	<i>[Signature]</i>	BIOL. RESEARCH ✓
Keith Wann	<i>[Signature]</i>	MNT. CASCADE

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

**METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 10/22/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
James H. Sigbee	James Sigbee	Dillingham
Kelly B. Hall	Kelly B. Hall	Dillingham
PAUL CRUZ	[Signature]	DILLINGHAM

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)
K. O'Keane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 10-23-02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Don Wingerly	Donald Wingerly	AMS Corp
Part W. Brierly	Part W. Brierly	AMS Corp (CBO)

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 10-25-02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Rick Dahl		Signet

Instructor/s: WEAT VIDEO (Administered by Todd Ethwood)
K. D. [Signature]

**METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 10/29/02

PLEASE NOTE:

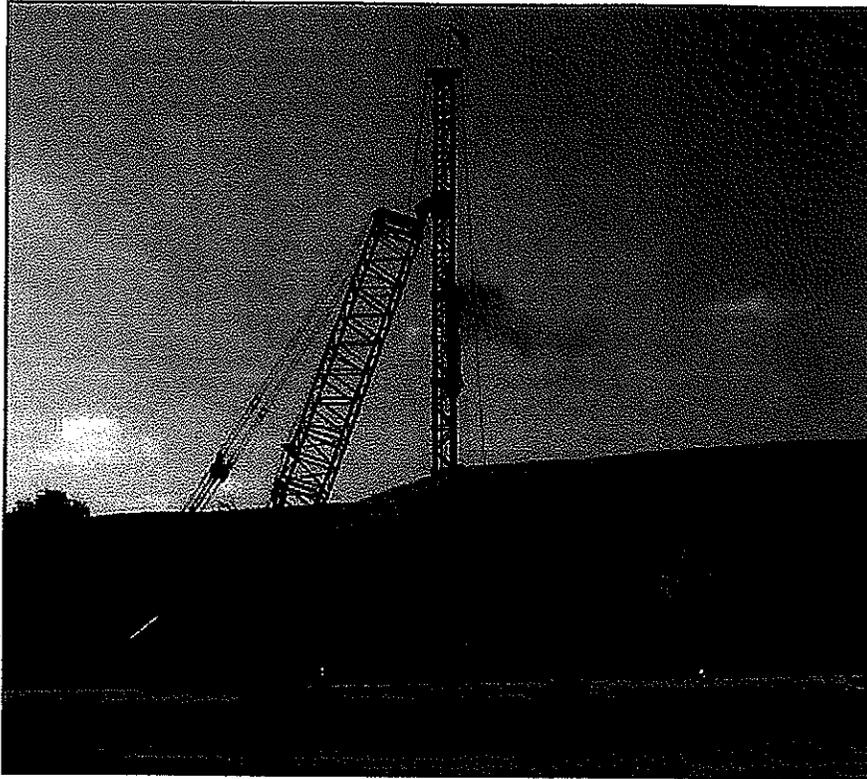
By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Arthur Robles	[Signature]	Martina Landscaping
Eduardo Diaz	[Signature]	Martina Landscaping
Sergio Reyes	S R	Martina Landscaping
Miguel [Signature]	M. O	MARTINA LANDSCAPING
Rogelio BUENAS	A. D	Martina Landscaping
Ventura Salvan	V. S	Martina Landscaping
Alejandro Magana	A.M	Martina Landscaping

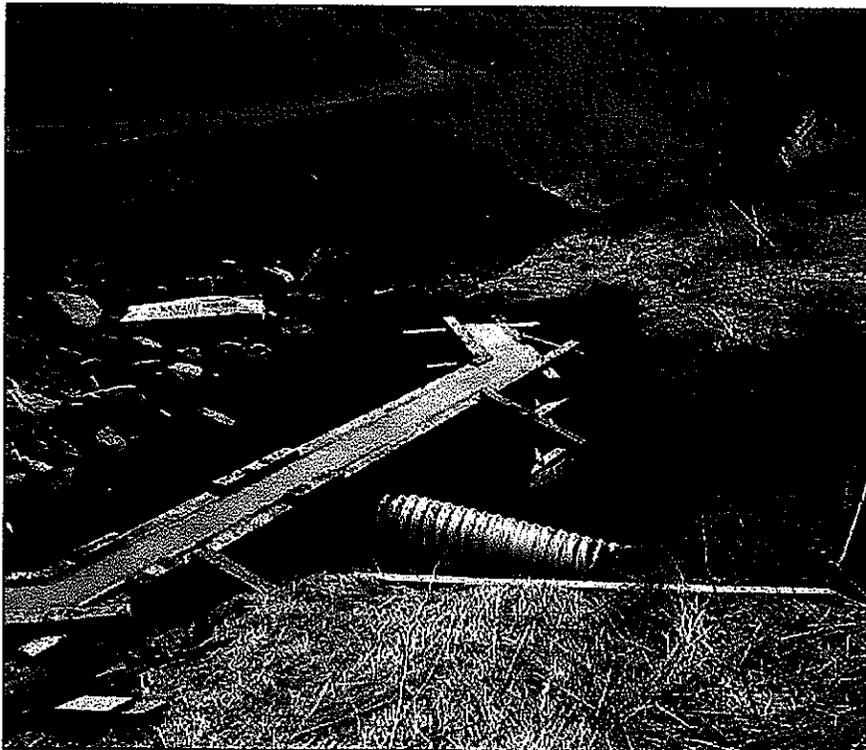
Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)
K. SLPED

APPENDIX C

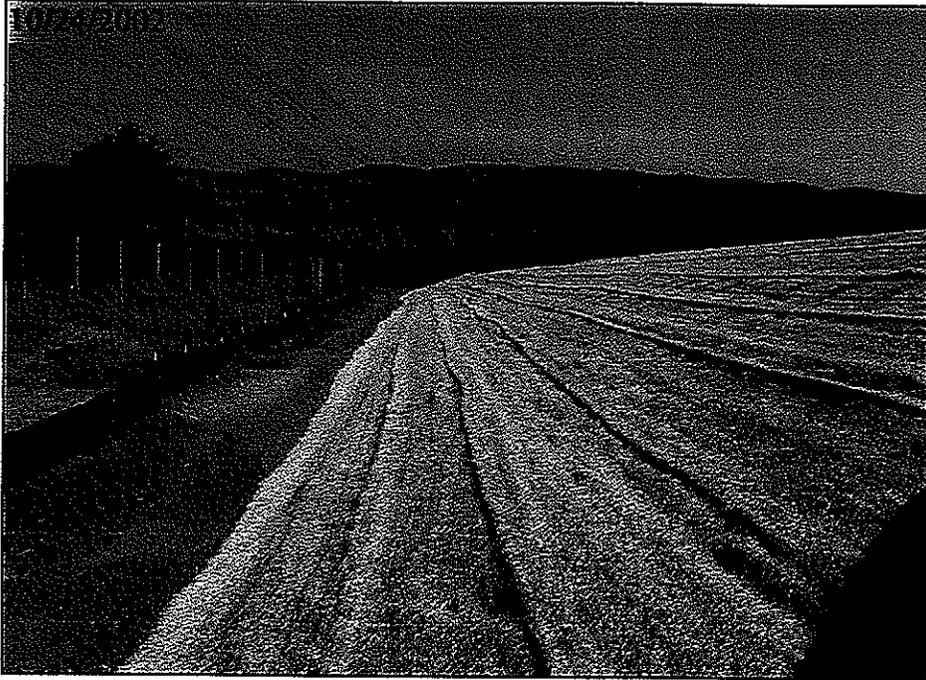
Photographs



Pile Driving



Headwall Construction



Erosion Control



Enhancement Area Preparation

**CONDITION OF CERTIFICATION CUL-7
WEEKLY SCHEDULES**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

00310	Temp Power for North	17JUN02A	10JUL02A		Temp Power for North Laydown Yard
00110	Furniture Installation	19JUN02A	24JUN02A		Furniture Installation
00230	C.B.O. trailer Approval	21JUN02A	24JUN02A		C.B.O. trailer Approval
00100	Material Receiving	23JUN02A	28OCT02		
00250	Trailer Move- in	24JUN02A	26JUN02A		Trailer Move- in
00130	Stacy Witbeck P. L.	26JUN02A	28JUN02A		Stacy Witbeck P. L.
00150	Drive Test Piles	26JUN02A	02JUL02A		Drive Test Piles
00140	UPRR Spur Cert./ Tamp.	28JUN02A	28JUN02A		UPRR Spur Cert./ Tamp.
00180	Removal of MAM Temp	02JUL02A	03JUL02A		Removal of MAM Temp Trailers
00190	Submit Safety Trailer	02JUL02A	15JUL02A		Submit Safety Trailer Relocation to CBO
00170	Fill Concrete Pile and Cure	03JUL02A	15JUL02A		Fill Concrete Pile and Cure
00370	Submit Warehouse Concrete	10JUL02A	19JUL02A		Submit Warehouse Concrete and Rack Info to CBO
00330	Restrike of PP6 / Additional	11JUL02A	12JUL02A		Restrike of PP6 / Additional probe Piles
00160	Test Pile Static Load Test	15JUL02A	24JUL02A		Test Pile Static Load Test
00380	Resolve PG&E Access Road	15JUL02A	24JUL02A		Resolve PG&E Access Road Permit Issue
00200	Move Safety Trailer to	17JUL02A	17JUL02A		Move Safety Trailer to Permanent Location
00340	Remove the Material from the	19JUL02A	24JUL02A		Remove the Material from the Warehouse
00320	Submittal of CT / CTG Power	22JUL02A	02AUG02A		Submittal of CT / CTG Power to CBO
00210	Connect Safety Trailer	24JUL02A	31JUL02A		Connect Safety Trailer
00290	Temporary Power to the CT /	25JUL02A	02AUG02A		Temporary Power to the CT / CTGs
00390	Receive the CTG's	25JUL02A	25JUL02A		Receive the CTG's
00430	Redesign PG&E Access Road	29JUL02A	06AUG02A		Redesign PG&E Access Road
00440	Complete "As Built's" for the	29JUL02A	15AUG02A		Complete "As Built's" for the Traffic Light
00300	Receive the CTs	31JUL02A	31JUL02A		Receive the CTs
00400	Receive the HP/IP Section	04AUG02A	04AUG02A		Receive the HP/IP Section
00530	Receive Storm Water	06AUG02A			Receive Storm Water Submittals
00350	Place Concrete Floor in Warehouse	07AUG02A	09AUG02A		Place Concrete Floor in Warehouse
00280	Modify Push Button Guard	10AUG02A	10AUG02A		Modify Push Button Guard Rail
00410	Drive Additional TP and PP	12AUG02A	14AUG02A		Drive Additional TP and PP
00420	Install Racking in Warehouse	13AUG02A	15AUG02A		Install Racking in Warehouse
00460	Receive Top Grade Original	13AUG02A	19AUG02A		Receive Top Grade Original Bid Documents
00480	Place and Cure Concrete in	14AUG02A	22AUG02A		Place and Cure Concrete in TP's
00240	CO for Safety Trailer	16AUG02A	16AUG02A		CO for Safety Trailer
00260	Move in to Safety Trailer	19AUG02A	20AUG02A		Move in to Safety Trailer
00360	Place Material Back into	19AUG02A	29AUG02A		Place Material Back into Warehouse
00470	Complete Additional Pile	21AUG02A	25SEP02A		Complete Additional Pile Static Load Tests
00220	Raise Elect. Boxes Offsite	22AUG02A	28AUG02A		Raise Elect. Boxes Offsite
00560	Retarp the South Laydown	26AUG02A	09OCT02		Retarp the South Laydown Material
00450	Complete the Traffic Light to	29AUG02A	29AUG02A		Complete the Traffic Light to RR Tie-in

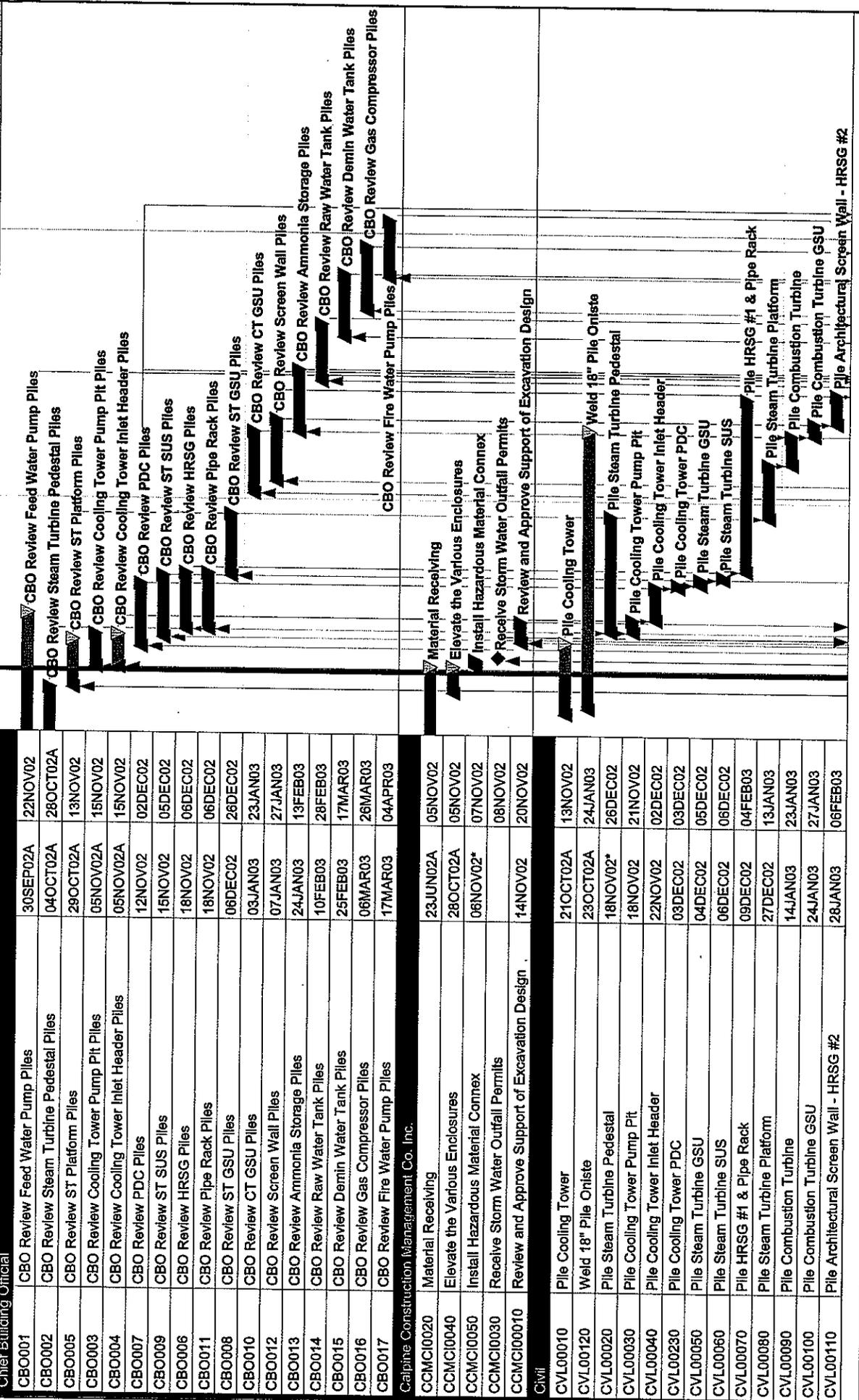
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 In Date 04FEB03
 Date 09OCT02
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Early Bar
 Progress Bar
 Critical Activity

MET3
 Sheet 1 of 2

MEC 3 Week Rolling Schedule
 Rolling 3 Week Schedule

Checked Approved
 Revision



Activity Description	Early Start	Early Finish
CBO Review Feed Water Pump Piles	30SEP02A	22NOV02
CBO Review Steam Turbine Pedestal Piles	04OCT02A	28OCT02A
CBO Review ST Platform Piles	29OCT02A	13NOV02
CBO Review Cooling Tower Pump Pit Piles	05NOV02A	15NOV02
CBO Review Cooling Tower Inlet Header Piles	05NOV02A	15NOV02
CBO Review PDC Piles	12NOV02	02DEC02
CBO Review ST SUS Piles	15NOV02	05DEC02
CBO Review HRSG Piles	18NOV02	06DEC02
CBO Review Pipe Rack Piles	18NOV02	06DEC02
CBO Review ST GSU Piles	06DEC02	26DEC02
CBO Review CT GSU Piles	03JAN03	23JAN03
CBO Review Screen Wall Piles	07JAN03	27JAN03
CBO Review Ammonia Storage Piles	24JAN03	13FEB03
CBO Review Raw Water Tank Piles	10FEB03	28FEB03
CBO Review Demin Water Tank Piles	25FEB03	17MAR03
CBO Review Gas Compressor Piles	06MAR03	26MAR03
CBO Review Fire Water Pump Piles	17MAR03	04APR03
Material Receiving	23JUN02A	05NOV02
Elevate the Various Enclosures	28OCT02A	05NOV02
Install Hazardous Material Connex	08NOV02*	07NOV02
Receive Storm Water Outfall Permits	08NOV02	08NOV02
Review and Approve Support of Excavation Design	14NOV02	20NOV02
Pile Cooling Tower	21OCT02A	13NOV02
Weld 18" Pile Onliste	23OCT02A	24JAN03
Pile Steam Turbine Pedestal	18NOV02*	26DEC02
Pile Cooling Tower Pump Pit	18NOV02	21NOV02
Pile Cooling Tower Inlet Header	22NOV02	02DEC02
Pile Cooling Tower PDC	03DEC02	03DEC02
Pile Steam Turbine GSU	04DEC02	05DEC02
Pile Steam Turbine SUS	06DEC02	06DEC02
Pile HRSG #1 & Pipe Rack	09DEC02	04FEB03
Pile Steam Turbine Platform	27DEC02	13JAN03
Pile Combustion Turbine	14JAN03	23JAN03
Pile Combustion Turbine GSU	24JAN03	27JAN03
Pile Architectural Screen Wall - HRSG #2	28JAN03	06FEB03

Sheet 1 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date _____ Revision _____

Checked _____ Approved _____

Start Date 13MAY02

Finish Date 18APR03

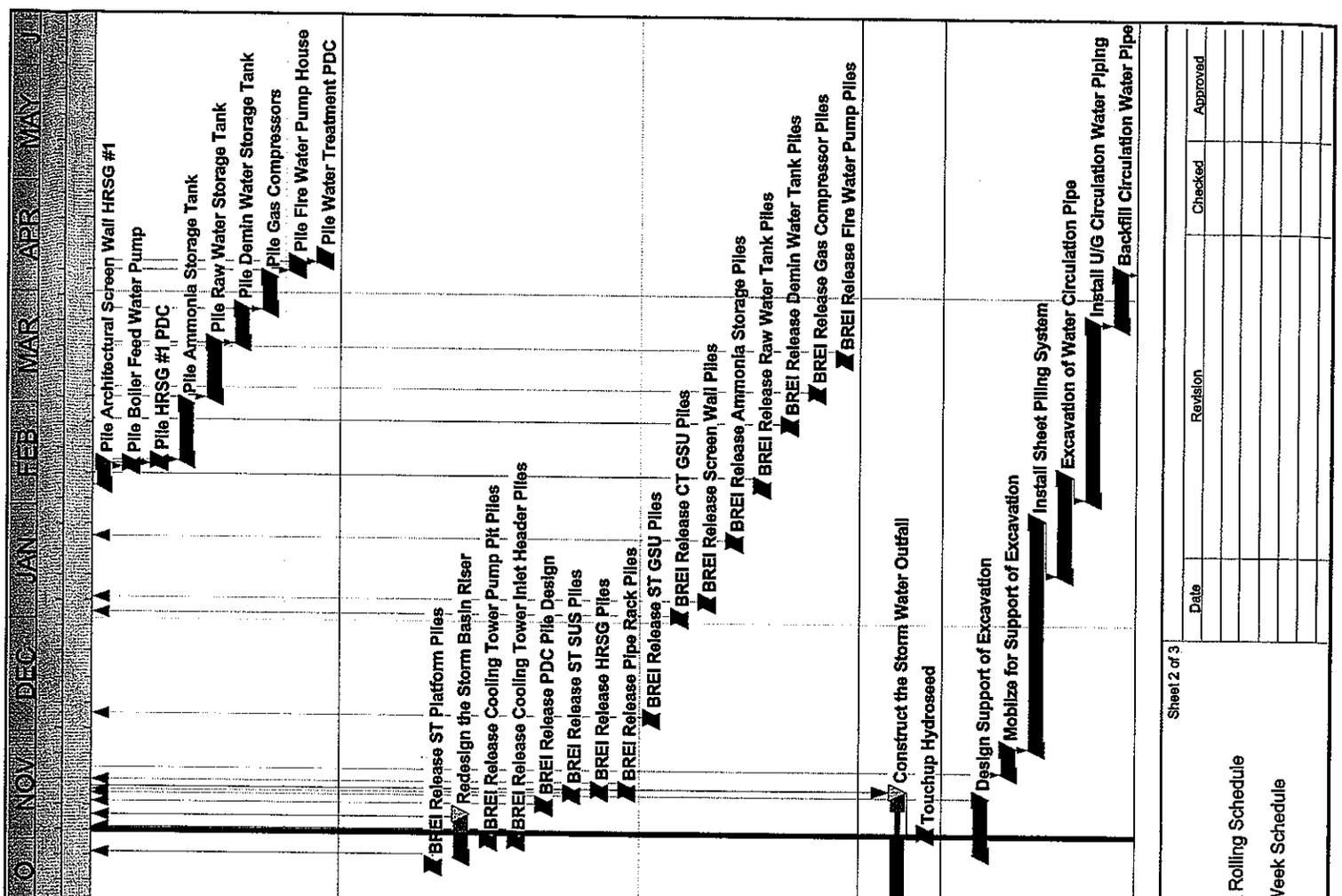
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Run Date 05NOV02 17:02

MEC3

Legend:
 ▲ Early Bar
 ▬ Progress Bar
 ▬ Critical Activity

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Activity ID	Activity Description	Early Start	Early Finish
CVL00130	Pile Architectural Screen Wall HRSG #1	07FEB03	12FEB03
CVL00150	Pile Boiler Feed Water Pump	12FEB03	12FEB03
CVL00160	Pile HRSG #1 PDC	13FEB03	13FEB03
CVL00170	Pile Ammonia Storage Tank	14FEB03	28FEB03
CVL00180	Pile Raw Water Storage Tank	03MAR03	17MAR03
CVL00190	Pile Demin Water Storage Tank	18MAR03	26MAR03
CVL00200	Pile Gas Compressors	27MAR03	04APR03
CVL00210	Pile Fire Water Pump House	07APR03	08APR03
CVL00220	Pile Water Treatment PDC	09APR03	10APR03
Engineering			
BREI001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A
BREI002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A
BREI005	BREI Release ST Platform Piles	25OCT02A	25OCT02A
BREI027	Redesign the Storm Basin Riser	28OCT02A	08NOV02
BREI003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A
BREI004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A
BREI007	BREI Release PDC Pile Design	11NOV02	11NOV02
BREI009	BREI Release ST SUS Piles	14NOV02	14NOV02
BREI006	BREI Release HRSG Piles	15NOV02	15NOV02
BREI011	BREI Release Pipe Rack Piles	15NOV02	15NOV02
BREI008	BREI Release ST GSU Piles	05DEC02	05DEC02
BREI010	BREI Release CT GSU Piles	02JAN03	02JAN03
BREI012	BREI Release Screen Wall Piles	06JAN03	06JAN03
BREI013	BREI Release Ammonia Storage Piles	23JAN03	23JAN03
BREI014	BREI Release Raw Water Tank Piles	07FEB03	07FEB03
BREI015	BREI Release Demin Water Tank Piles	24FEB03	24FEB03
BREI016	BREI Release Gas Compressor Piles	05MAR03	05MAR03
BREI017	BREI Release Fire Water Pump Piles	14MAR03	14MAR03
EarlInWork			
ERTH00010	Construct the Storm Water Outfall	16SEP02A	15NOV02
ERTH00020	Touchup Hydroseed	04NOV02A	04NOV02A
Mechanical			
UGMECH0010	Design Support of Excavation	30OCT02A	13NOV02
UGMECH0040	Mobilize for Support of Excavation	21NOV02	27NOV02
UGMECH0080	Install Sheet Piling System	28NOV02	29JAN03
UGMECH0030	Excavation of Water Circulation Pipe	15JAN03	10FEB03
UGMECH0050	Install U/G Circulation Water Piping	05FEB03	24MAR03
UGMECH0060	Backfill Circulation Water Pipe	25MAR03	07APR03

Sheet 2 of 3

MEC 3 Week Rolling Schedule
Rolling 3 Week Schedule

Legend:
 ▲ Start Date
 ▼ Finish Date
 ▬ Delta Date
 ▬ Run Date
 ▬ Early Bar
 ▬ Progress Bar
 ▬ Critical Activity

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Start Date: 13MAY02

Finish Date: 18APR03

Data Date: 04NOV02

Run Date: 05NOV02 17:02

MET3

Legend:

- ▲ Early Bar
- ▬ Progress Bar
- ▬ Critical Activity

Sheet 3 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

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**CONDITION OF CERTIFICATION PAL-4
PALEO MONTHLY SUMMARY REPORT**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

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**Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program**

Monthly Report

Project Name: Metcalf Energy Center (MEC)

Project Number: 01-17

Clients: Calpine/CH2M Hill

Month: October 2002

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for October 2002:

During the month of October 2002, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through its environmental consultants, CH2M Hill, to monitor and mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in September we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would disturb previously undisturbed sediment. The CEC approved this reduced monitoring plan. During October, since there were no deep excavations needing to be spot checked at the MEC plant site and no ground-disturbing activities along the right-of-way of linear facilities, no paleontological monitoring was performed.

Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standards, once one-half the excavations for each of facility is completed and if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.

PRC paleontological monitors are available and "on-call" for spot checking deep excavations at the MEC plant site and for monitoring of earth moving for the remainder of the MEC project whenever excavations begin.

**CONDITION OF CERTIFICATION SOCIO-1
PLANNED PROCUREMENT**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Miscellaneous horizontal pumps	Out for bid		
PDC	Out for bid		

**CONDITION OF CERTIFICATION GEN-2
MASTER DRAWINGS LIST**

**METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13**



CALPINE - METCALF ENERGY CENTER
ARCH/CIVIL/STRUCTURAL DRAWING SCHEDULE

November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		SCH	ACT/PROJ	IFC 90%	SCH	ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100%	LATEST REV #	% COMPL
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ								
ARCHITECTURAL DRAWINGS																	
100	A100	ENEC2520	General Information														
105	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG OVERALL GROUND FLOOR PLAN	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
131	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG ROOF PLAN	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
133	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG TYPICAL ROOF AND WALL PENETRATION DETAILS	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
140	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG SOUTH & EAST ELEVATIONS	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
141	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG NORTH & WEST ELEVATIONS	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
150	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG WALL SECTIONS & PARTITION TYPES	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
58	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG MISC WALL SECTIONS & DETAILS	08/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
75	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG DOOR & FINISH SCHEDULES & TYPES	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
80	A100	ENEC2520	BOP ELECTRICAL/CONTROL BLDG TYPICAL DOOR FRAME & LOUVER DETAILS	06/03/02	1	N/A	1	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	90%
00	A100	ENEC2520	BOILER FEEDWATER PUMP BLDG PLAN, ELEVATIONS, & DETAILS	06/03/02	1	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
00	A100	ENEC2520	GAS COMPRESSOR BLDG PLAN, ELEVATIONS, & DETAILS	06/03/02	1	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
SITework DESIGN																	
01	C200	ENEC2520	COVER SHEET	06/03/02	0	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	0%
11	C200	ENEC2520	PLOT PLAN	06/03/02	0	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
12	C200	ENEC2520	DETAILED PLOT PLAN	06/03/02	0	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	0%
20	C200	ENEC2510	OVERALL SITE GRADING & DRAINAGE PLAN	06/03/02	0	N/A	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
21	C200	ENEC2480	SITE GRADING & DRAINAGE PLAN SH 1	06/10/02	1	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
22	C200	ENEC2480	SITE GRADING & DRAINAGE PLAN SH 2	06/10/02	1	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
23	C200	ENEC2480	SITE GRADING & DRAINAGE PLAN SH 3	06/10/02	1	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
24	C200	ENEC2480	SITE GRADING & DRAINAGE PLAN SH 4	06/10/02	1	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	20%
27	C200	ENEC2480	CONCRETE PAVING PLAN	06/10/02	0	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	0%
29	C200	ENEC2480	TRAFFIC CONTROL PLAN	06/10/02	0	08/02/02	0	09/06/02	07/30/02	1	10/04/02	08/22/02	1	12/04/02	0	0	0%
0	C200	ENEC2480	RETAINING WALL PLAN, PROFILE & DETAILS	06/10/02	1	05/20/02	1	09/06/02	08/26/02	1	10/04/02	09/13/02	1	12/04/02	0	0	100%
1	C200	ENEC2480	TYPICAL SITE DETAILS	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	50%
2	C200	ENEC2480	SITE SECTIONS & DETAILS	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	50%
3	C200	ENEC2480	TYPICAL CATCH BASIN DETAILS & SCHEDULE	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	70%
4	C200	ENEC2480	TYPICAL DRAINAGE DETAILS	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	90%
5	C200	ENEC2480	SITE FENCING PLAN	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	0%
6	C200	ENEC2480	TYPICAL FENCING DETAILS	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	90%
0	C200	ENEC2480	ROAD GEOMETRY PLAN	06/10/02	1	05/29/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	0%
1	C200	ENEC2480	ROAD PROFILES	06/10/02	0	08/02/02	0	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	90%
3	C200	ENEC2480	ROAD CROSS SECTIONS	06/10/02	1	08/02/02	1	09/06/02	07/29/02	1	10/04/02	06/13/02	1	12/04/02	0	0	90%



CALPINE - METCALF ENERGY CENTER

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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
045	C200	ENEC2480	PG&E ACCESS PARTIAL PLAN & PROFILE	06/10/02	1	08/02/02	1	09/06/02	1	09/06/02	05/28/02	1	07/28/02	0	90%
050	C200	ENEC2480	SOUTH LAYDOWN YARD SEDIMENT AND EROSION CONTROL PLAN	06/10/02	1	08/02/02	1	09/06/02	1	09/06/02	04/30/02	1	06/30/02	0	100%
060	C200	ENEC2480	SEDIMENTATION AND EROSION CONTROL NOTES AND DETAILS	06/10/02	1	08/02/02	1	09/06/02	1	09/06/02	04/30/02	1	06/30/02	0	100%
061	C200	ENEC2480	SEDIMENTATION AND EROSION CONTROL DETAILS	06/10/02	1	08/02/02	1	09/06/02	1	09/06/02	04/30/02	1	06/30/02	0	100%
070	C200	ENEC2480	SOUTH LAYDOWN YARD SEDIMENT AND EROSION CONTROL PLAN	06/10/02	1	08/02/02	1	09/06/02	1	09/06/02	04/30/02	1	06/30/02	0	100%
01	C310	ENEC2710	CONCRETE DRAWING LIST		0		0		0			0		0	0%
03	C310	ENEC2710	GENERAL NOTES		0		0		0			0		0	0%
05	C310	ENEC2710	FOUNDATION KEY PLAN	12/12/01	1	03/25/02	1	03/29/02	1	03/29/02	04/29/02	1	06/29/02	0	90%
08	C310	ENEC2601	COMPOSITE PLANT FOUNDATION PLAN	12/12/01	1	01/25/02	1	03/15/02	1	03/15/02	05/24/02	1	07/24/02	0	90%
09	C310	ENEC2601	PILE LOAD TEST PLAN	12/12/01	1	05/24/02	1	02/07/02	1	02/07/02	07/30/02	1	07/20/02	0	70%
10	C310	ENEC2601	TEST PILE SECTIONS & DETAILS	12/12/01	1	01/25/02	1	02/06/02	1	02/06/02	03/15/02	1	05/15/02	1	100%
11	C310	ENEC2601	COMPOSITE PILE PLAN	12/12/01	1	01/25/02	1	01/13/02	1	01/13/02	04/04/02	1	05/15/02	1	100%
12	C310	ENEC2601	PILE SECTIONS & DETAILS	12/12/01	1	01/25/02	1	02/06/02	1	02/06/02	04/04/02	1	06/04/02	0	90%
20	C320	ENEC2516	STEAM TURBINE PLATFORM PILE PLAN	12/12/01	1	01/25/02	1	02/06/02	1	02/06/02	02/06/02	1	04/08/02	0	90%
25	C320	ENEC2601	STEAM TURBINE PLATF. FOUNDATION PLAN	12/12/01	1	01/25/02	1	02/06/02	1	02/06/02	05/31/02	1	07/31/02	0	90%
35	C320	ENEC2770	STEAM TURBINE PLATF. PILE CAP DETAILS	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	08/19/02	1	06/10/02	0	90%
90	C320	ENEC2770	STEAM TURBINE PLATF. FOUND. SECTIONS & DET.	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	06/19/02	1	06/10/02	0	90%
91	C320	ENEC2770	STEAM TURBINE PLATF. FOUND. SECTIONS & DET.	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	06/19/02	1	06/10/02	0	90%
92	C320	ENEC2770	STEAM TURBINE PLATF. ANCHOR BOLT SCHED.	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	06/19/02	1	06/10/02	0	90%
93	C320	ENEC2770	STEAM TURBINE PLATF. ENLARGED FOUNDATION PLAN	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	06/19/02	1	10/25/02	1	100%
90	C310	ENEC2801	COMBUSTION TURBINE GENERATOR PILE PLAN	12/12/01	1	01/25/02	1	05/30/02	1	05/30/02	06/19/02	1	06/10/02	0	100%
95	C310	ENEC2710	COMBUSTION TURBINE GENERATOR UNITS 1 & 2 FOUNDATION PLAN	12/12/01	1	03/25/02	1	02/06/02	1	02/06/02	02/06/02	1	04/08/02	0	100%
96	C310	ENEC2710	COMBUSTION TURBINE GENERATOR UNITS 1 & 2 SECTIONS	12/12/01	1	03/25/02	1	03/29/02	1	03/29/02	04/15/02	1	06/15/02	0	100%
98	C310	ENEC2710	COMBUSTION TURBINE GENERATOR UNITS 1 & 2 SECTIONS & DETAILS	12/12/01	1	03/25/02	1	03/29/02	1	03/29/02	04/15/02	1	06/15/02	0	100%
0	C310	ENEC2710	COMBUSTION TURBINE GENERATOR EMBEDDED ITEMS	12/12/01	1	03/25/02	1	03/29/02	1	03/29/02	04/15/02	1	06/15/02	0	100%
0	C310	ENEC2710	COMBUSTION TURBINE GENERATOR AIR INLET FOUNDATION	12/12/01	1	03/25/02	1	03/29/02	1	03/29/02	04/15/02	1	06/15/02	0	100%
0	C320	ENEC2615	STEAM TURBINE GENERATOR PED. PILE PLAN	12/12/01	1	03/25/02	1	07/27/02	1	07/27/02	09/11/02	1	11/01/02	1	100%
5	C320	ENEC2770	STEAM TURBINE GENERATOR PEDESTAL FOUNDATION PLAN	12/12/01	1	03/25/02	1	02/06/02	1	02/06/02	02/06/02	1	04/08/02	0	100%
3	C320	ENEC2770	STEAM TURBINE GENERATOR PEDESTAL FOUNDATION SECTS & DTLS	12/12/01	1	03/25/02	1	05/03/02	1	05/03/02	06/28/02	1	12/04/02	0	90%
7	C320	ENEC2770	STEAM TURBINE GENERATOR PEDESTAL MISC SECTS & DTLS	12/12/01	1	03/25/02	1	05/03/02	1	05/03/02	06/28/02	1	12/04/02	1	100%
9	C320	ENEC2770	STEAM TURBINE GENERATOR PEDESTAL OPERATING FLOOR PLAN	12/12/01	1	03/25/02	1	05/03/02	1	05/03/02	06/27/02	1	12/04/02	0	100%
1	C320	ENEC2770	STEAM TURBINE GENERATOR PED. OPERATING FLOOR EMBEDMENT PLAN	12/12/01	1	03/25/02	1	05/03/02	1	05/03/02	06/28/02	1	12/04/02	0	90%
1	C320	ENEC2770	STEAM TURBINE GENERATOR PED. OPERATING FLOOR REINF PLAN	12/12/01	1	03/25/02	1	05/03/02	1	05/03/02	06/27/02	1	12/04/02	0	100%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
65	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCRETE SECTIONS	12/12/01	1 A	03/25/02	1 A	05/03/02	1 A	10/04/02	1 A	12/04/02	1 A	0	100%
66	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCRETE SECTIONS	12/12/01	1 A	03/25/02	1 A	05/03/02	1 A	10/04/02	1 A	12/04/02	1 A	0	100%
67	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCRETE SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
68	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCRETE SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
69	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCR SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
70	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCR SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
71	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCR SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
72	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCR SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
73	C320	ENEC2770	STEAM TURBINE GENERATOR PED CONCR SECTIONS	12/12/01	1	05/31/02	1 A	05/15/02	1	10/04/02	1 A	12/04/02	1 A	0	100%
74	C320	ENEC2770	STEAM TURBINE GENERATOR PED EMBED. SECTIONS & DETAILS	12/12/01	1 A	02/20/02	1 A	02/20/02	1 A	03/13/02	1 A	05/13/02	1 A	0	100%
75	C330	ENEC2680	HRSG PILE LOCATION PLAN UNIT 1	12/12/01	1 A	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
76	C330	ENEC2740	HRSG FOUNDATION PLAN U1	12/12/01	1 A	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
77	C330	ENEC2740	HRSG FOUNDATION REINFORCING PLAN U1	12/12/01	1 A	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
78	C330	ENEC2740	HRSG FOUNDATION REINFORCING PLAN U2	12/12/01	1 A	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
79	C330	ENEC2740	HRSG FOUNDATION SECTIONS & DETAILS U1	08/08/01	1	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
80	C330	ENEC2740	HRSG FOUNDATION SECTIONS & DETAILS U2	08/08/01	1	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	90%
81	C330	ENEC2740	HRSG FOUNDATION SOLE PLATE DETAILS UNITS 1 & 2	08/08/01	1	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	100%
82	C330	ENEC2740	HRSG FOUNDATION SOLE PLATE DETAILS AND AB SCHEDULE - UNITS 1 & 2	08/08/01	1	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	100%
83	C330	ENEC2740	HRSG FOUNDATION SHEAR KEY POCKET DETAILS - UNIT 1 & 2	08/08/01	1	03/27/02	1 A	03/29/02	1 A	04/12/02	1 A	06/12/02	1 A	0	100%
84	C400	ENEC3110	BOILER FEED PUMP FOUNDATION PLAN	03/29/02	1 A	N/A	1	07/28/02	1 A	09/27/02	1 A	11/27/02	1 A	0	90%
85	C400	ENEC3110	BOILER FEED PUMP FOUNDATION SECTIONS & DETAILS	06/13/02	1 A	N/A	1	07/28/02	1 A	09/27/02	1 A	11/27/02	1 A	0	90%
86	C350	ENEC2800	COOLING TOWER PILE PLAN	06/13/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
87	C350	ENEC2800	COOLING TOWER PILE PLAN	03/29/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
88	C350	ENEC2800	COOLING TOWER PILE PLAN	03/29/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
89	C350	ENEC2800	COOLING TOWER FOUNDATION PLAN	06/13/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
90	C350	ENEC2800	COOLING TOWER FOUNDATION PLAN	05/31/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
91	C350	ENEC2800	COOLING TOWER FOUNDATION PLAN	05/31/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
92	C350	ENEC3080	COOLING TOWER PUMP STRUCT FOUNDATION PLAN	06/13/02	1 A	N/A	1	07/28/02	1 A	09/20/02	1 A	11/20/02	1 A	0	90%
93	C350	ENEC3080	COOLING TOWER PUMP STRUCT OPERATING FLOOR PLAN	06/13/02	1 A	N/A	1	07/28/02	1 A	09/20/02	1 A	11/20/02	1 A	0	90%
94	C350	ENEC2800	COOLING TOWER PUMP STRUCT SECT & DETLS	06/13/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	80%
95	C350	ENEC2800	COOLING TOWER FOUNDATION SECT & DETLS	06/13/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%
96	C350	ENEC2800	COOLING TOWER PUMP STRUCT SECT & DETLS	06/13/02	1 A	N/A	1	09/09/02	1	11/08/02	1 A	01/08/03	1 A	0	90%



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BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL		
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ				
666	C360	ENEC2800	COOLING TOWER PUMP STRUCTURE SECTIONS & DETAILS	11/13/02	1	N/A	08/27/02	1	01/14/02	09/23/02	1	03/10/03	11/01/02	1	0	0	90%
667	C350	ENEC3090	COOLING TOWER PUMP STRUCT TRASH SCREEN	08/08/02	1	N/A	09/19/02	1	09/19/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
668	C350	ENEC3090	COOLING TOWER PUMP STRUCT STOP GATE DETAILS	08/08/02	1	N/A	09/19/02	1	09/19/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
690	C420	ENEC3374	WATER TREATMENT BUILDING FOUNDATION PLAN	11/13/02	1	N/A	01/14/02	0	01/14/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
690	C420	ENEC3374	FIRE WATER TANK & PUMP HOUSE FOUNDATION	10/15/02	1	N/A	01/26/02	0	01/26/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
695	C400	ENEC3280	ADMINISTRATION BUILDING FOUNDATION	01/01/03	1	N/A	01/29/03	0	01/29/03	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
695	C400	ENEC3280	AMMONIA TANK & DIKE FOUNDATION PLAN	01/01/03	1	N/A	01/29/03	0	01/29/03	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
695	C400	ENEC3280	GAS METERING FOUNDATION PLAN	05/02/02	1	N/A	11/22/02	0	11/22/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
695	C400	ENEC3280	DEMNERIALIZED WATER STORAGE TANK FOUNDATION	09/17/02	1	N/A	11/12/02	0	11/12/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
70	C430	ENEC2670	PIPE RACK PILE LOCATION PLAN	08/27/02	1	N/A	08/23/02	0	08/23/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
70	C430	ENEC2670	PIPE RACK FOUNDATION PLAN	07/26/02	1	N/A	08/23/02	0	08/23/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
70	C430	ENEC4105	PIPE RACK FOUNDATION SCHEDULE SECTIONS & DETAILS	07/28/02	1	N/A	09/23/02	0	10/11/02	08/28/02	1	11/14/02	11/01/02	1	0	0	50%
70	C340	ENEC2955	STG STEUP TRANSFORMER FOUNDATION PLAN	06/17/02	1	N/A	07/11/02	1	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
71	C340	ENEC2955	CTG STEUP TRANSFORMER FOUNDATION PLAN U1	06/17/02	1	N/A	08/20/02	0	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
72	C340	ENEC2955	CTG STEUP TRANSFORMER FOUNDATION PLAN U2	06/17/02	1	N/A	08/20/02	0	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
75	C340	ENEC2955	CTG MAIN STEP-UP TRANSFORMER FOUNDATION SECTIONS & DETAILS	06/17/02	1	N/A	07/11/02	1	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	20%
76	C340	ENEC2955	CTG MAIN STEP-UP TRANSFORMER FOUNDATION SECTIONS & DETAILS	06/17/02	1	N/A	07/11/02	1	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
77	C340	ENEC2955	STG MAIN STEP-UP TRANSFORMER FOUNDATION SECTIONS & DETAILS	06/17/02	1	N/A	07/11/02	1	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
78	C340	ENEC2955	STG MAIN STEP-UP TRANSFORMER FOUNDATION SECTIONS & DETAILS	06/17/02	1	N/A	07/11/02	1	08/20/02	08/28/02	1	11/14/02	11/01/02	1	0	0	90%
79	C630	ENEC4135	BOP ELECTRICAL/CONTROL BLDG ROOF FRAMING PLAN	01/06/03	1	N/A	02/17/03	1	02/17/03	07/30/02	1	04/18/03	08/22/02	1	0	0	90%
80	C420	ENEC4135	BOP ELECTRICAL/CONTROL BLDG ROOF SLAB PLAN	01/06/03	1	N/A	02/17/03	1	02/17/03	07/30/02	1	04/18/03	08/22/02	1	0	0	90%
81	C420	ENEC4135	BOP ELECTRICAL/CONTROL BLDG SECTIONS & DETAILS	01/06/03	1	N/A	02/17/03	1	02/17/03	07/30/02	1	04/18/03	08/22/02	1	0	0	90%
82	C400	ENEC4135	MISCELLANEOUS EQUIPMENT FOUNDATIONS	01/06/03	1	N/A	02/17/03	0	02/17/03	07/30/02	1	04/18/03	08/22/02	1	0	0	90%
83	C400	ENEC4135	MISCELLANEOUS YARD FOUNDATIONS	01/06/03	1	N/A	02/17/03	0	02/17/03	07/30/02	1	04/18/03	08/22/02	1	0	0	20%
84	C310	ENEC2710	TYPICAL CONCRETE DETAILS	12/12/01	1	N/A	01/25/02	1	02/07/02	03/25/02	1	04/29/02	04/29/02	1	0	0	100%
85	C310	ENEC2710	TYPICAL EMBEDDED DETAILS	12/12/01	1	N/A	01/25/02	1	02/07/02	03/25/02	1	04/29/02	04/29/02	1	0	0	100%
86	C310	ENEC2710	TYPICAL ANCHOR BOLT DETAILS	12/12/01	1	N/A	01/25/02	1	02/07/02	03/25/02	1	04/29/02	04/29/02	1	0	0	100%
87	C400	ENEC4868	VISUAL SCREEN STRUCTURE FOUNDATION DESIGN LOADS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
88	C400	ENEC4868	VISUAL SCREEN FOUNDATION PLAN	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
89	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
90	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
91	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
92	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
93	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
94	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%
95	C400	ENEC4868	VISUAL SCREEN FOUNDATION DETAILS	06/13/02	1	N/A	08/09/02	1	08/09/02	08/09/02	1	09/16/02	06/20/02	1	0	0	90%



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			SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
C400	ENE34866	VISUAL SCREEN FOUNDATION DETAILS	08/13/02	1	N/A	1	08/09/02	1	09/18/02	07/30/02	1	11/16/02	0	90%
C630	ENE32710	STRUCTURAL STEEL DRAWING LIST	12/12/01	1	01/25/02	0	07/23/02	1	05/20/02	08/30/02	1	07/20/02	0	0%
C630	ENE33450	GENERATION BUILDING FRAMING PLAN @ OPER. FLOOR	05/06/02	1	08/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	GENERATION BUILDING MEZZANINE FLOOR	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	ST PLATFORM FRAMING PLAN @ EL. 279'-81/2"	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	ST PLATFORM MEZZANINE PART PLAN	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	ST PLATFORM MEZZANINE PART PLAN	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	STG PEDESTAL ACCESS PLATFORM	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	STG EXCITATION ACCESS PLATFORM PLAN, SECTIONS & DETAILS	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/29/02	1	01/22/03	0	100%
C630	ENE33450	CIRC WATER PIPE SUPPORT FRAME	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	10/30/02	1	01/22/03	0	90%
C630	ENE33450	GENERATION BUILDING ELEVATION @ COL LINE (EAST WEST)	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	GENERATION BUILDING ELEVATION @ COL LINE	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	GENERATION BUILDING ELEVATION @ COL LINE	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STG PLATFORMS GIRTS ELEV @ COL LINES 1,1.5,0.2 & C.4	05/06/02	1	04/15/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STG PLATFORMS GIRTS ELEV @ COL LINES G & 4.8	05/06/02	1	04/15/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	COMBUSTION TURBINE AREA SOUND BARRIER GIRTS	05/06/02	1	04/15/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	70%
C630	ENE33450	CTG AIR INLET SOUND WALLS U1 & U2 PLAN, ELEVATIONS & SECTIONS	05/06/02	1	04/15/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	CTG AIR INLET SOUND WALLS U1 & U2 SECTIONS & DETAILS	05/06/02	1	04/15/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	GENERATION BUILDING ELEVATION @ COL LINE (NORTH SOUTH)	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	GENERATION BUILDING ELEVATION @ COL LINES	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM COLUMN SCHEDULES	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM BASE PLATES	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM SECTIONS & DETAILS	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STEEL SECTIONS & DETAILS, SH 1	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STEEL SECTIONS & DETAILS, SH 2	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STEEL SECTIONS & DETAILS, SH 3	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#1 PLAN & ELEV	05/06/02	1	05/31/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#2 PLAN & ELEV	05/06/02	1	05/31/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#3 PLAN & ELEV	05/06/02	1	05/31/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#1 PLAN & ELEV	05/06/02	1	05/31/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	100%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#2 SECTIONS	05/06/02	1	05/31/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	STEAM TURBINE PLATFORM STAIR#3 SECTIONS	05/06/02	1	06/03/02	1	07/23/02	1	11/22/02	08/30/02	1	01/22/03	0	90%
C630	ENE33450	PDC ACCESS PLATFORMS	05/06/02	0	07/23/02	0	07/23/02	0	11/22/02	10/25/02	0	01/22/03	0	20%
C630	ENE33450	GENERATOR BREAKER PLATFORM	05/06/02	0	07/23/02	0	07/23/02	0	11/22/02	10/25/02	0	01/22/03	0	20%



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			SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ			
C620	ENEC3433	PIPE RACK FRAMING ISOMETRIC	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK FRAMING OVERALL PLAN	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK PLAN @ EL 295'-0" BETWEEN COLS 5 & 8	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK PLAN @ EL 295'-0" BETWEEN COLS 8 & 12	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK PLAN @ EL 283'-0" BETWEEN COLS 5 & 9	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK PLAN @ EL 283'-0" BETWEEN COLS 8 & 13	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK PLAN @ EL 273'-0" BETWEEN COLS 5 & 10	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK MISCELLANEOUS PLANS @ EL 322'-0"	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK MISCELLANEOUS PLANS @ EL 308'-0"	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK MISCELLANEOUS PLANS @ EL 304'-6", 303'-0", & 313'-0"	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE 5	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE 6	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE 10	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE 11	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE E-2	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE D-2	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES F & E-6	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES G & H	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES J & K	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINE L	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES 7, 8, & 9	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES 12 & 13	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK ELEVATION ALONG COL LINES 8, 6, 9, 3, & F, 4	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK COLUMN SCHEDULE	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK BASE PLATE DETAILS	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3433	PIPE RACK MISCELLANEOUS SECTIONS & DETAILS	07/31/02	1	03/29/02	1	10/23/02	08/30/02	1	11/20/02	10/31/02	1	01/20/03	0	90%
C620	ENEC3450	TYPICAL LADDER DETAILS - SHEET 1	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL LADDER DETAILS - SHEET 2	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL HANDRAIL DETAILS - SHEET 1	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL HANDRAIL DETAILS - SHEET 2	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL STAIR DETAILS - SHEET 1	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL STAIR DETAILS - SHEET 2	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL STEEL DETAILS	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL STEEL BRACING DETAILS	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%
C620	ENEC3450	TYPICAL STEEL GIRT DETAILS	05/06/02	02/04/02	03/27/02	1	03/27/02	03/29/02	1	04/29/02	04/29/02	1	08/29/02	1	100%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ			
			ONE-LINES MAIN POWER SUPPLY													
E101	E110	ENEE3010	ELECTRICAL SYMBOLS SHEET #1	12/18/01	1 A		1	4/3/02	01/30/02	1 A	5/8/02	05/22/02	1 A	07/08/02	0	90%
E102	E110	ENEE3010	ELECTRICAL SYMBOLS SHEET #2	12/18/01	1 A		1	4/3/02	02/28/02	1 A	5/8/02	05/22/02	1 A	07/08/02	0	90%
E103	E110	ENEE3010	ELECTRICAL SYMBOLS SHEET #3	12/18/01	1 A		1	4/3/02	03/29/02	1 A	5/8/02	05/22/02	1 A	07/08/02	1	90%
E104	E110	ENEE3010	ELECTRICAL KEY ONE LINE DIAGRAM	12/18/01	1 A		1	4/3/02	01/30/02	1 A	5/8/02	05/22/02	1 A	07/08/02	1	90%
E105	E110	ENEE3030	CTG #1 MAIN ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	4/25/02	02/28/02	1 A	6/28/02	07/31/02	1 A	08/28/02	0	90%
E106	E110	ENEE3030	CTG #2 MAIN ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	4/25/02	02/28/02	1 A	6/28/02	07/31/02	1 A	08/28/02	0	90%
E107	E110	ENEE3030	STG MAIN ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	4/25/02	02/28/02	1 A	6/28/02	07/31/02	1 A	08/28/02	0	90%
E108	E110	ENEE3030	4.16KV STATION SVCE SWITCHGEAR 01-00-EMA-SG-007A ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	03/15/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E109	E110	ENEE3030	4.16KV STATION SVCE SWITCHGEAR 01-00-EMA-SG-007B ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	03/15/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E110	E110	ENEE3030	4.16KV STATION SVCE SWITCHGEAR 01-00-EMA-SG-007C ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	03/15/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E111	E110	ENEE3030	4.16KV EMERGENCY DIESEL GENERATOR ONE LINE DIAGRAM	2/4/02	1 A	N/A	1	03/15/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E112	E120	ENEE3030	COOLING TOWER 4.16KV MCC 01-00-EMA-MC-011A ONE LINE DIAGRAM	1/18/02	1	N/A	1	03/29/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E113	E120	ENEE3030	COOLING TOWER 4.16KV MCC 01-00-EMA-MC-011B ONE LINE DIAGRAM	1/18/02	1	N/A	1	03/29/02	04/19/02	1 A	6/28/02	07/31/02	1 A	08/28/02	1	90%
E114	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-001A ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E120	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-001B ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E121	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-002A ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E122	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-002B ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E123	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-003A ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E124	E110	ENEE8505	480V Station Services Switchgear 01-00-ELA-SG-003B ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	04/20/02	05/02/02	1 A	8/12/02	07/31/02	1 A	10/12/02	1	90%
E125	E110	ENEE8505	480V BOP-MCC 01-00-ELA-MC-021A ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	09/27/02	1 A	12/23/02	0	90%
E126	E120	ENEE3092	480V HRSC #1 MCC ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	09/27/02	1 A	12/23/02	0	90%
E130	E120	ENEE3092	480V HRSC #2 MCC ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	09/27/02	1 A	12/23/02	0	90%
E131	E120	ENEE3092	480V ESSENTIAL SERVICES MCC 01-00-ESS-MC-001 ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	09/27/02	1 A	12/23/02	0	90%
E132	E120	ENEE3092	480V WTR TREAT MCC 01-00-ELA-MC-031A ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	11/01/02	1 A	12/23/02	0	90%
E133	E120	ENEE3092	480V WTR TREAT MCC 01-00-ELA-MC-031B ONE LINE DIAGRAM	3/21/02	1 A	N/A	1	6/7/02	05/30/02	1 A	10/23/02	11/01/02	1 A	12/23/02	0	90%
E134	E120	ENEE3040	120VAC UPS & 125VDC ONE LINE DIAGRAM	2/19/02	1	N/A	1	3/19/02	03/28/02	1 A	2/25/03	-	-	04/27/03	B	70%
E140	E120	ENEE3800	480V PNL 01-00-ELA-PN-013A&-013B	3/21/02	1	N/A	1	7/15/02	05/30/02	1 A	8/12/02	-	-	10/12/02	B	70%
E141	E120	ENEE3800	480V PNL 01-00-ELA-PN-021A	3/21/02	1	N/A	1	7/15/02	05/30/02	1 A	8/12/02	-	-	10/12/02	B	70%
E142	E120	ENEE3800	480V PNL 321A & 321B	3/21/02	1	N/A	1	7/15/02	05/30/02	1 A	8/12/02	-	-	10/12/02	A	70%
E143	E120	ENEE3800	208V/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 1	3/21/02	1	N/A	1	7/15/02	11/01/02	1 A	8/12/02	-	-	10/12/02	A	70%
E146	E500	ENEE3800	208V/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 2	3/21/02	1	N/A	1	7/15/02	11/01/02	1 A	8/12/02	-	-	10/12/02	A	70%
E147	E500	ENEE3800	208V/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 3	3/21/02	1	N/A	1	7/15/02	11/01/02	1 A	8/12/02	-	-	10/12/02	A	70%
E148	E500	ENEE3800	208V/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 4	3/21/02	1	N/A	1	7/15/02	11/01/02	1 A	8/12/02	-	-	10/12/02	A	70%
E149	E500	ENEE3800	208V/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 5	3/21/02	1	N/A	1	7/15/02	11/01/02	1 A	8/12/02	-	-	10/12/02	A	70%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ			SCH
E160	E500	ENEE3800	208/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 5	3/21/02	1 A	N/A	1	7/15/02	1 A	8/12/02	-	10/12/02	-	A	70%	
E161	E500	ENEE3800	208/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 6	3/21/02	1 A	N/A	-	7/15/02	-	8/12/02	-	10/12/02	-	-	20%	
E162	E500	ENEE3800	208/120V 480/277V DISTRIBUTION PANEL SCHEDULE SHEET 7	3/21/02	1 A	N/A	1	7/15/02	1 A	8/12/02	-	10/12/02	-	A	70%	
E163	E120	ENEE3040	125V DC POWER PANEL SCHED SH1	2/19/02	1 A	3/19/02	-	4/10/02	-	2/25/03	-	04/27/03	-	-	20%	
E164	E120	ENEE3040	125V DC POWER PANEL SCHED SH2	2/19/02	-	3/19/02	-	4/10/02	-	2/25/03	-	04/27/03	-	-	0%	
E165	E120	ENEE3040	120V AC UPS PANEL SCHEDULES	2/19/02	-	3/19/02	-	4/10/02	-	2/25/03	-	04/27/03	-	-	0%	
E166	E211	ENEE8010	PHASING DIAGRAM	6/17/02	1	7/17/02	1	8/20/02	1	10/2/02	07/31/02	1 A	12/02/02	0	90%	
E167	E211	ENEE8010	PHASING DIAGRAM	6/17/02	1	7/17/02	1	8/20/02	1	10/2/02	07/31/02	1 A	12/02/02	0	90%	
THREE LINE DIAGRAMS																
E180	E211	ENEE4010	CTG 1 THREE LINE DIAGRAM SH1	7/16/02	1	N/A	07/28/02	1 A	9/10/02	09/26/02	1 A	12/20/02	-	A	70%	
E181	E211	ENEE4011	CTG 1 THREE LINE DIAGRAM SH2	7/16/02	1	N/A	07/28/02	1 A	9/10/02	09/26/02	1 A	12/20/02	-	A	70%	
E184	E211	ENEE4010	CTG 2 THREE LINE DIAGRAM SH1	7/16/02	1	N/A	07/28/02	1 A	9/10/02	09/26/02	1 A	12/20/02	-	A	70%	
E185	E211	ENEE4011	CTG 2 THREE LINE DIAGRAM SH2	7/16/02	1	N/A	07/28/02	1 A	9/10/02	09/26/02	1 A	12/20/02	-	A	70%	
E188	E211	ENEE4010	STG THREE LINE DIAGRAM SH1	7/16/02	1	N/A	07/25/02	1 A	9/10/02	09/26/02	1 A	12/20/02	-	A	70%	
GROUNDING DESIGN																
E200	E400	ENEE4500	ELECTRICAL GROUNDING DRAWING LAYOUT	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E201	E400	ENEE4500	ELECTRICAL PLANT GROUNDING LAYOUT	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E202	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - GTG U1 & XFMR AREAS	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E203	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - GTG U2 & XFMR AREAS	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E204	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - HRSG UNIT 1	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E205	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - HRSG UNIT 2	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E206	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - STG BUILDING	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E207	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - COOLING TOWER NORTH END	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E208	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - COOLING TOWER SOUTH END	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E209	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - CIRC WATER TRANSFER AREA	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E210	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - COOLING TOWER SOUTH	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	100%
E212	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - RETENTION BASIN EAST	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E213	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - GAS COMPR BLDG	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E214	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - ADMIN BLDG WEST	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E215	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - ADMIN BLDG EAST	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%
E216	E400	ENEE4500	ELECTRICAL GROUNDING PLAN - AMMONIA STORAGE AREA	2/21/02	1 A	N/A	03/20/02	1 A	3/21/02	04/29/02	1 A	6/6/02	06/28/02	1 A	0	90%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ			
E354	E322	ENEE4688	CTG 1 EMBEDDED CONDUIT SECTIONS SH 2	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E360	E323	ENEE4689	CTG 2 EMBEDDED CONDUIT SH 1	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E361	E323	ENEE4689	CTG 2 EMBEDDED CONDUIT SH 2	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E362	E323	ENEE4689	CTG 2 EMBEDDED CONDUIT SH 3	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E363	E323	ENEE4689	CTG 2 EMBEDDED CONDUIT SECTIONS SH 1	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E364	E323	ENEE4689	CTG 2 EMBEDDED CONDUIT SECTIONS SH 2	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E370	E310	ENEE4500	DUCTBANKS INSTALLATION DETAILS	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E371	E310	ENEE4500	ELECTRICAL MANHOLE DETAILS	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	2	90%
E374	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH1	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	0	90%
E375	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH2	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	0	90%
E376	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH3	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	0	90%
E377	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH4	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	0	90%
E378	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH5	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E379	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH6	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E381	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH7	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E382	E310	ENEE4500	ELECTRICAL MANHOLE ROLLOUT DETAILS SH8	02/21/02	03/07/02	1	A	05/02/02	1	A	05/31/02	1	A	08/08/02	1	90%
E383	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 1	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E384	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 2	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E385	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 3	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E386	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 4	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E387	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 5	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E388	E310	ENEE4500	ELECTRICAL DUCTBANKS SECTIONS SHEET 6	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E389	E310	ENEE4500	ELECTRICAL EMBEDDED CONDUIT SECTIONS & DETAILS SHEET 1	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E390	E310	ENEE4500	ELECTRICAL EMBEDDED CONDUIT SECTIONS & DETAILS SHEET 2	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E391	E310	ENEE4500	ELECTRICAL EMBEDDED CONDUIT SECTIONS & DETAILS SHEET 3	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E392	E310	ENEE4500	ELECTRICAL EMBEDDED CONDUIT SECTIONS & DETAILS SHEET 4	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E393	E310	ENEE4500	ELECTRICAL EMBEDDED CONDUIT SECTIONS & DETAILS SHEET 5	02/21/02	03/07/02	1	A	05/03/02	1	A	06/28/02	1	A	08/08/02	0	90%
E400	E310	ENEE3420	CABLE TRAY													0%
E401	E325	ENEE3420	ELECTRICAL CABLE TRAY DRAWING LAYOUT	08/18/02	08/18/02	1	A	08/18/02	1	A	08/18/02	1	A	08/18/02	0	90%
E402	E325	ENEE3420	ELECTRICAL CABLE TRAY PLAN - STG BUILDING GROUND FLOOR	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E403	E325	ENEE3420	ELECTRICAL CABLE TRAY PLAN - STG BUILDING GROUND FLOOR	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E404	E325	ENEE3420	ELECTRICAL CABLE TRAY PLAN - STG BUILDING MEZZANINE	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E405	E325	ENEE3420	ELECTRICAL CABLE TRAY PLAN - STG BLDG MEZZANINE	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E406	E325	ENEE3420	ELECTRICAL CABLE TRAY PLAN - STG BLDG MEZZANINE	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E407	E326	ENEE3420	ELECTRICAL CABLE TRAY PLAN - WEST PIPE RACK	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E408	E326	ENEE3420	ELECTRICAL CABLE TRAY PLAN - WEST PIPE RACK	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E409	E326	ENEE3420	ELECTRICAL CABLE TRAY PLAN - WEST PIPE RACK AREA	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E410	E326	ENEE3420	ELECTRICAL CABLE TRAY PLAN - PDC-3	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%
E411	E327	ENEE3420	ELECTRICAL CABLE TRAY PLAN - EAST PIPE RACK AREA	08/18/02	08/18/02	1	A	07/15/02	1	A	03/31/03	1	A	05/31/03	0	90%



CALPINE - METCALF ENERGY CENTER
ELECTRICAL DRAWING SCHEDULE

November 1, 2002

STATUS:

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL			
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ			SCH	ACT/PROJ	
E412	E327	ENEE3420	ELECTRICAL CABLE TRAY PLAN - EAST PIPE RACK AREA	08/18/02	1	08/18/02	1	02/25/03	08/01/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E413	E327	ENEE3420	ELECTRICAL CABLE TRAY PLAN - EAST PIPE RACK AREA	08/18/02	1	08/18/02	1	02/25/03	08/01/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E414	E327	ENEE3420	ELECTRICAL CABLE TRAY PLAN - PDC-4	08/18/02	1	08/18/02	1	02/25/03	08/01/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	70%
E415	E322	ENEE3420	ELECTRICAL CABLE TRAY PLAN - PDC-1	08/18/02	1	08/18/02	1	02/25/03	08/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	70%
E416	E328	ENEE3420	ELECTRICAL CABLE TRAY PLAN - PDC-2	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	70%
E417	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - COOLING TOWER AREA	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E418	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - COOLING TOWER AREA	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E419	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - COOLING TOWER AREA	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E420	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - COOLING TOWER AREA	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E421	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - COOLING TOWER AREA	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E422	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN - PDC-5	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E423	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN WATER TREATMENT W/PDC 6	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	70%
E424	E321	ENEE3420	ELECTRICAL CABLE TRAY PLAN WATER TREATMENT	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	20%
E450	E321	ENEE3420	ELECTRICAL CABLE TRAY SECTIONS & DETAILS SHT. 1	08/18/02	1	08/18/02	1	02/25/03	08/30/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	70%
E451	E321	ENEE3420	ELECTRICAL CABLE TRAY SECTIONS & DETAILS SHT. 2	08/18/02	1	08/18/02	1	02/25/03	08/30/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E452	E321	ENEE3420	ELECTRICAL CABLE TRAY SECTIONS & DETAILS SHT. 3	08/18/02	1	08/18/02	1	02/25/03	09/25/02	1	A	03/31/03	10/30/02	1	A	05/31/03	0	90%
E600	E500	ENEE6190	ELECTRICAL LIGHTING DRAWING LAYOUT	09/13/02	1	N/A	05/31/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E601	E500	ENEE6190	PLANT ROADWAY LIGHTING PLAN	09/13/02	1	N/A	05/31/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E602	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG GROUND FLR SH 1	09/13/02	1	N/A	08/15/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E603	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG GROUND FLR SH 2	09/13/02	1	N/A	08/15/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E604	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG GROUND FLR SH 3	09/13/02	1	N/A	08/15/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E605	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG MEZZANINE FLR SH 1	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E606	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG MEZZANINE FLR SH 2	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E607	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG MEZZANINE FLR SH 3	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E608	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG OPERATING FLR SH 1	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E609	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG OPERATING FLR SH 2	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E610	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - STG OPERATING FLR SH 3	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E611	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - COOLING TOWER	09/13/02	1	N/A	08/19/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E612	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - CTG UNIT #1	09/13/02	1	N/A	09/11/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E613	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - CTG UNIT #2	09/13/02	1	N/A	09/11/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%
E614	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSSG UNIT #1 PLAN VIEW	09/13/02	1	N/A	09/11/02	1	11/01/02	1	A	12/24/02	11/01/02	1	A	02/23/03	0	70%



CALPINE - METCALF ENERGY CENTER ELECTRICAL DRAWING SCHEDULE

November 1, 2002

STATUS:

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
E815	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSG UNIT #1 EAST ELEVATION	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E816	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSG UNIT #1 WEST ELEVATION	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E817	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSG UNIT #2 PLAN VIEW	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E818	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSG UNIT #2 EAST ELEVATION	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E819	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - HRSG UNIT #2 WEST ELEVATION	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E820	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - PIPE RACK PLATFORM & WALKWAYS	08/13/02	1	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E821	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - WATER TREATMENT BUILDING	08/13/02	-	N/A	-	-	10/24/02	-	12/24/02	02/23/03	-	-	0%
E822	E500	ENEE6190	ELECTRICAL LIGHTING PLAN - GAS COMPRESSOR BUILDING	08/13/02	-	N/A	-	-	10/24/02	-	12/24/02	02/23/03	-	-	0%
E823	E500	ENEE6190	LIGHTING FIXTURE SCHEDULE	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E824	E500	ENEE6190	CONTROL DIAGRAMS - LIGHTING	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E825	E500	ENEE6190	CONTROL DIAGRAMS - LIGHTING	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E826	E500	ENEE6190	CONTROL DIAGRAMS - LIGHTING	08/13/02	1 A	N/A	09/11/02	1 A	10/24/02	1 A	12/24/02	02/23/03	-	A	70%
E800	E600		COMMUNICATIONS												
E800	E600		TELEPHONE & PUBLIC ADDRESS SYSTEMS RISER DIAGRAM 77777777									03/01/00			0%
E900	E001	ENEE8282	ELECTRICAL EQUIPMENT LAYOUTS												
E901	E001	ENEE8282	ELECTRICAL EQUIPMENT DRAWING LAYOUT ROOM	02/27/02	1	N/A	03/29/02	1 A	03/26/02	1	04/16/02	05/17/02	1 A	06/16/02	90%
E902	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - STG ELECTRICAL	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	70%
E903	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - POWER DISTRIBUTION CENTER CTG UNIT #1	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E904	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - POWER DISTRIBUTION CENTER CTG UNIT #2	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E905	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - POWER DISTRIBUTION CENTER UNIT#1	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E906	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - POWER DISTRIBUTION CENTER UNIT#2	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E907	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - POWER DISTRIBUTION CENTER COOLING TOWER PDCS	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E908	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #6	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E909	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8	02/27/02	1 A	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E910	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E911	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E912	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E913	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E914	E001	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E915	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E916	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E917	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E918	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E919	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E920	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E921	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E922	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%
E923	E000	ENEE8282	ELECTRICAL EQUIPMENT PLAN - PDC #8 ISOPHASE LAYOUT	02/27/02	1	N/A	03/29/02	1	03/26/02	1 A	04/16/02	05/17/02	1 A	06/16/02	90%



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BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
ELEMENTARY CONNECTION DIAGRAMS															
E1000	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB001 SH 1	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1001	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB001 SH 2	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1002	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB001 SH 3	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1003	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB001 SH 4	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1004	E211	ENEE6010	NOT USED	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1005	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB002 SH 1	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1006	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB002 SH 2	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1007	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB002 SH 3	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1008	E211	ENEE6010	GENERATOR CIRCUIT BREAKER GB002 SH 4	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1009	E211	ENEE6010	NOT USED	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1010	E211	ENEE6010	CTG1, CTG2, & STG LOCK OUT RELAY DEVELOPMENT DIAGRAM	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1011	E212	ENEE6010	GEN. CIRCUIT BREAKER GCB1 INTERCONNECTION DIAGRAM	06/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1012	E212	ENEE6010	GEN. CIRCUIT BREAKER GCB2 INTERCONNECTION DIAGRAM	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
E1013	E212	ENEE6010	NOT USED	08/17/02	-	N/A	-	08/20/02	-	10/02/02	-	12/02/02	-		0%
4.16KV BUS 001A															
E1050	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001A MAIN BREAKER ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	03/29/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1051	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001A MAIN BREAKER CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	03/29/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1052	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001A TIE BREAKER ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	03/29/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1053	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001A TIE BREAKER CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1054	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO COOLING TOWER MCC 011A ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1055	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO COOLING TOWER MCC 011A CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1056	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 001A ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1057	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 001A CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1058	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 002A ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1059	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 002A CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1060	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 003A ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1061	E221	ENEE6040	4.16KV SWGR BUS SG-001A. FDR BKR TO STA XFMR 003A CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1062	E221	ENEE6040	4.16KV SWGR BUS SG-001A. MTR FDR BKR BOILER FEED PUMP 101 ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1063	E221	ENEE6040	4.16KV SWGR BUS SG-001A. MTR FDR BKR BOILER FEED PUMP 101 CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%
E1064	E221	ENEE6040	4.16KV SWGR BUS SG-001A. MTR FDR BKR BOILER FEED PUMP 201 ELEMENTARY DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-	A	70%
E1065	E221	ENEE6040	4.16KV SWGR BUS SG-001A. MTR FDR BKR BOILER FEED PUMP 201 CONNECTION DIAGRAM	02/04/02	02/11/02 1 A	11/12/02	02/19/02 1 A	12/13/02	06/28/02 1 A	01/24/03	-	03/28/03	-		50%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
E1066	E221	ENEE6040	4.16KV SWGR BUS SG-001a FDR BKR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1067	E221	ENEE6040	GAS COMPRESSOR 001 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1068	E221	ENEE6040	4.16KV SWGR BUS SG-001A FDR BKR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1069	E221	ENEE6040	GAS COMPRESSOR 003 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1070	E221	ENEE6040	4.16KV SWGR BUS SG-001A FDR BKR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1071	E221	ENEE6040	STARTING MTR 101 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1072	E221	ENEE6040	4.16KV SWGR BUS SG-001A MTR FDR BKR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1073	E221	ENEE6040	CONDENSATE PUMP 301 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1074-1089		ENEE6040	CONDENSATE PUMP 301 CONNECTION DIAGRAM	02/04/02	-	11/12/02	-	12/13/02	-	01/24/03	-	03/26/03	-		0%
			NOT USED												
			4.16KV BUS 001B												
E1090	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001B MAIN	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1091	E221	ENEE6040	BREAKER ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1092	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001B MAIN	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1093	E221	ENEE6040	BREAKER CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1094	E221	ENEE6040	4.16KV SWITCHGEAR BUS 01-00-EMA-SG-001B TIE	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1095	E221	ENEE6040	BREAKER ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1096	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR TO COOLING	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1097	E221	ENEE6040	TOWER MCC 011B ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1098	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR TO STA XFMR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1099	E221	ENEE6040	091B ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1100	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR TO STA XFMR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1101	E221	ENEE6040	002B ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1102	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR TO STA XFMR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1103	E221	ENEE6040	003B ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1104	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR TO STA XFMR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1105	E221	ENEE6040	003B CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1106	E221	ENEE6040	4.16KV SWGR BUS SG-001B STANDBY GENERATOR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1107	E221	ENEE6040	BREAKER ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1108	E221	ENEE6040	4.16KV SWGR BUS SG-001B MTR FDR BKR BOILER	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1109	E221	ENEE6040	BREAKER CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1110	E221	ENEE6040	4.16KV SWGR BUS SG-001B MTR FDR BKR BOILER	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1111	E221	ENEE6040	FEED PUMP 102 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1112	E221	ENEE6040	4.16KV SWGR BUS SG-001B MTR FDR BKR BOILER	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1113	E221	ENEE6040	FEED PUMP 102 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1114	E221	ENEE6040	4.16KV SWGR BUS SG-001B MTR FDR BKR BOILER	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1115	E221	ENEE6040	FEED PUMP 202 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1116	E221	ENEE6040	4.16KV SWGR BUS SG-001B MTR FDR BKR BOILER	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1117	E221	ENEE6040	FEED PUMP 202 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	-	01/24/03	-	03/26/03	-	A	50%
E1118	E221	ENEE6040	4.16KV SWGR BUS SG-001B FDR BKR	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%
E1119	E221	ENEE6040	GAS COMPRESSOR 002 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	1 A	12/13/02	1 A	01/24/03	-	03/26/03	-	A	70%



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				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
E1100	E221	ENEE6040	4.18KV SWGR BUS SG-001B FOR BKR GAS COMPRESSOR 002 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02			03/28/03			50%
E1110	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CT#2 STARTING MTR 201 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02	08/28/02	1 A	01/24/03		A	70%
E1111	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CT#2 STARTING MTR 201 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02			03/28/03			50%
E1112	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CONDENSATE PUMP 302 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02	08/28/02	1 A	01/24/03		A	70%
E1113	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CONDENSATE PUMP 302 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02			03/28/03			50%
E1114	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CONDENSATE PUMP 303 ELEMENTARY DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02	08/28/02	1 A	01/24/03		A	70%
E1115	E221	ENEE6040	4.18KV SWGR BUS SG-001B MTR FDR BKR CONDENSATE PUMP 303 CONNECTION DIAGRAM	02/04/02	1 A	11/12/02	02/20/02	1 A	12/13/02			03/28/03			50%
E1116		ENEE6040	NOT USED	02/04/02	-	11/12/02	-	-	12/13/02			03/28/03			0%
E1130	E222	ENEE6705	4.18KV CLG TWR MCC BUS 011A COOLING TWR FAN 1 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1131	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 1 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1132	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 2 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1133	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 2 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1134	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 3 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1135	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 3 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1136	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 4 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1137	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 4 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1138	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 5 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1139	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A COOLING TWR FAN 5 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1140	E222	ENEE6705	CLOSED CLG WTR PUMP 1 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1141	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A CLOSED CLG WTR PUMP 1 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1142	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A CIRC WTR PUMP 1 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1143	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011A CIRC WTR PUMP 1 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1144		ENEE6705	NOT USED	04/25/02	-	08/20/02	-	-	02/19/03			06/01/03			0%
E1160	E222	ENEE6705	4.18KV CLG TWR MCC BUS 011B COOLING TWR FAN 8 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1161	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 8 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1162	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 7 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%
E1163	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 7 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	02/19/03	-	02/19/03			06/01/03			20%



CALPINE - METCALF ENERGY CENTER

ELECTRICAL DRAWING SCHEDULE

November 1, 2002

STATUS:

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
E1184	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 8 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1185	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 8 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1186	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 9 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1187	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 9 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1188	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 10 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1189	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B COOLING TWR FAN 10 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1170	E222	ENEE6706	4.18KV COOLING TOWER MCC MC-011B CLOSED CLG WTR PUMP 2 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1171	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B CLOSED CLG WTR PUMP 2 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1172	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B CIRC WTR PUMP 2 ELEMENTARY DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1173	E222	ENEE6705	4.18KV COOLING TOWER MCC MC-011B CIRC WTR PUMP 2 CONNECTION DIAGRAM	04/25/02	1 A	08/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1174		ENEE6705	NOT USED	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1190	E221	ENEE6080	480V SWGR BUS 001A												
E1191	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-001A MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1192	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-001A MAIN BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1193	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-001A TIE BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1194	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO BOP PNL 13A ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1195	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO BOP PNL 13A CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1196	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO CTG 1 MCC MC 011A ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1197	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO CTG 1 MCC MC 011A CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1198	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO CTG 2 MCC MC 012A ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1199	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO CTG 2 MCC MC 012A CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1200	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO FUEL GAS HTR ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1201	E221	ENEE6080	480V SWGR BUS SG-001A FDR BKR TO FUEL GAS HTR CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1210	E221	ENEE6080	480V SWGR BUS 001B												
E1211	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-001B MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1212	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-001B MAIN BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%
E1213	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-001B TIE BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03	A	70%
E1214	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO BOP PNL 13B ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03	03/06/03		50%



CALPINE - METCALF ENERGY CENTER
ELECTRICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20%		ISSUED FOR INTERNAL REVIEW 50%		ISSUED FOR INFO AND/OR COMMENT 70%		IFC 90%		REV 3 OR IFC + 2 MONTHS 100%		LATEST ISSUE REV #	% COMPL
				SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ	SCH	ACT/PROJ		
E1215	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO BOP PNL 19C CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1216	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO CTG 2 MCC MC 011B ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1217	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO CTG 2 MCC MC 011B CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1218	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO CTG 1 MCC MC 012B ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1219	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO CTG 1 MCC MC 012B CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1220	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO FUEL GAS HTR ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1221	E221	ENEE6080	480V SWGR BUS SG-001B FDR BKR TO FUEL GAS HTR CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1220	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-002A MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1231	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-002A MAIN BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1232	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-002A TIE BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1233	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-002A TIE BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1234	E221	ENEE6080	480V SWGR BUS SG-002A FDR BKR TO BOP MCC MC-021A ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1235	E221	ENEE6080	480V SWGR BUS SG-002A FDR BKR TO BOP MCC MC-021A CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1236	E221	ENEE6080	480V SWGR BUS SG-002A FDR BKR TO AUX COOLING WATER PUMP ELEMENTARY DIAG	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1237	E221	ENEE6080	480V SWGR BUS SG-002A FDR BKR TO AUX COOLING WATER PUMP CONNECTION DIAG	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1250	E221	ENEE6080	480V SWGR BUS 002B 480V SWITCHGEAR BUS 01-00-ELA-SG-002B MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1251	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-002B MAIN BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1252	E221	ENEE6080	480V SWGR BUS SG-002B FDR BKR TO ESSENTIAL MCC 001 ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1253	E221	ENEE6080	480V SWGR BUS SG-002B FDR BKR TO ESSENTIAL MCC001 CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1270	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-003A MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1271	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-003A MAIN BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1272	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-003A TIE BREAKER ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1273	E221	ENEE6080	480KV SWITCHGEAR BUS 01-00-ELA-SG-003A TIE BREAKER CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%
E1274	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO ADMIN BLDG DISTR PANEL PN-023B ELEMENTARY DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02	08/28/02	1 A	01/08/03		A	70%
E1275	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO ADMIN BLDG DISTR PANEL PN-023B CONNECTION DIAGRAM	03/05/02	1 A	04/29/02	04/25/02	1 A	11/19/02			03/06/03			50%